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Chesapeake Bay Baseline Data Acquisition, Appendix XI Shoreline Erosion

Chesapeake Research Consortium, Inc, Annapolis, MD

Prepared for

Environmental Protection Agency, Philadelphia, PA. Chesapeake Bay Program

Oct 78

EPA 903/9-78-030

PB 289233

CRC

APPENDIX XI

SHORELINE EROSION

A Report
under EPA Contract No. 68-01-3994

October 1978

Chesapeake Research Consortium, Incorporated

prepared by

University of Maryland,
Center for Environmental and Estuarine Studies

and

Virginia Institute of Marine Science

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16. ABSTRACT

This report identifies researchers conducting current research programs relating to shoreline erosion in the Chesapeake Bay estuarine system. The data files included in this report are compiled from the Environmental Data Base Directory and reflects data applicable to shoreline erosion from 1973 to the present.

The report also identifies the major past, present, or planned monitoring efforts.

The data will aid in the design of future research and monitoring efforts for the Chesapeake Bay.

17. KEY WORDS AND DOCUMENT ANALYSIS

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I

CHESAPEAKE BAY BASELINE DATA ACQUISITION

SHORELINE EROSION

Contract No. 68-01-3994

between

U. S. Environmental Protection Agency

and

Chesapeake Research Consortium, Incorporated

October 1978

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INTRODUCTION

This report forms one of several appendices which are the body of the Chesapeake Bay Baseline Data Acquisition Final Report. These appendices are as follows:

Appendix I. A Chesapeake Bay Directory

Appendix II. Submerged Aquatic Vegetation

Appendix III. Toxics in the Chesapeake Bay

Appendix IV. Eutrophication

Appendix V. Shellfish Bed Closures

Appendix VI. Dredging and Spoil Disposal

Appendix VII. Modification of Fisheries

Appendix VIII. Hydrologic Modifications

Appendix IX. Wetlands Alteration

Appendix X. Effects of Boating and Shipping on Water Quality

Appendix XI. Shoreline Erosion

This report comprises three sections as follows:

Annex I. contains scientists presently engaged in research in this field.

Annex II. is an indexed listing of data files pertinent to the Chesapeake Bay and adjacent coastal states.

Annex III. summarizes the monitoring efforts as derived from Annex II.

The source material for appendices IV-XI includes minimal material based on interviews, field work and verification. Efforts were directed to determining researchers and their activities from "A Chesapeake Bay Directory" only. For each of the eight subject areas, a key word list was also formulated and the respective pertinent data files compiled from the Environmental Data Base Directory. These files served as the primary source for the monitoring programs section.

ANNEX I

Directory of Researchers

Shoreline Erosion

This "Directory of Researchers" contains a listing of scientists who are presently working in this field, their affiliations and their specific research activities. The information was compiled from "A Chesapeake Bay Directory" by A. McErlean et al. which was published as a partial fulfillment of this contract.

For researchers and research activities in other national and international areas the reader is referred to the "International Directory of Marine Scientists," issued by the Food and Agriculture Organization of the United Nations in 1977. Copies of this directory are available at the following locations:

EPA Region III
Chesapeake Bay Program Office
Curtis Building
6th and Walnut Streets
Philadelphia, PA 19106

Chesapeake Research Consortium
1419 Forest Drive
Suite 207
Annapolis, MD 21403

University of Maryland, Center for Environmental and
Estuarine Studies
ATTN: Karen Rutledge
P. O. Box 775
Horn Point Rd.
Cambridge, MD 21613

Virginia Institute of Marine Science
ATTN: Thomas Lochen
Gloucester Point, VA 23062

ANNEX I

Directory of Researchers

Shoreline Erosion

Anderson, R. R. American University	Wetlands, remote sensing.
Blair, C. H. Old Dominion University	Coastal engineering.
Boicourt, W. C. Chesapeake Bay Institute, The Johns Hopkins University	Physical oceanography, circulation and mixing - Chesapeake Bay.
Boon, J. D., III Virginia Institute of Marine Science	Littoral processes, hydrodynamics of coastal inlets, tides and currents.
Byrne, R. J. Virginia Institute of Marine Science	Beach erosion studies, sediment processes, barrier islands.
Dolan, R. University of Virginia	Beach processes and coastal geomorphology.
Fox, R. George Washington University	Soil mechanics.
Garstang, M. University of Virginia	Coastal zone wind energy.
Goldsmith, V. Virginia Institute of Marine Science	Coastal processes, beach and wave dynanmics, eolian processes.
Goodell, H. G. University of Virginia	Remote sensing work.
Grosch, C. E. Old Dominion University	Theory of fluid turbulence, stastical wave theories, numerical models.
Gross, M. G. Chesapeake Bay Institute, The Johns Hopkins University	Sediments and wastes in coastal environments, urban effects in ocean - Chesapeake Bay.

Johnson, R. E. Old Dominion University	Generation and distribution of water masses, oceanic circulation.
Ludwick, J. C. Old Dominion University	Mechanics of sediment transport, coastal processes.
Marks, C. H. University of Maryland	Erosion.
McCormick, M. E. United States Naval Academy	Wave energy conversion.
Nichols, M. M. Virginia Institute of Marine Science	Oceanography, marine geology, sedimentation.
Phillips, O. M. The Johns Hopkins University	Geophysics, waves and turbulence.
Pielke, R. University of Virginia	Coastal zone wind energy.
Pritchard, D. W. Chesapeake Bay Institute, The Johns Hopkins University	Dynamics and kinematics of estuarine circulation - Chesapeake Bay.
Schiemer, E. W. Chesapeake Bay Institute, The Johns Hopkins University	Littoral drift, instrumentation - Chesapeake Bay.
Ziegler, J. M. Virginia Institute of Marine Science	Erosion, continental shelf studies, nearshore circulation.

IX

ANNEX II

Data Files

Shoreline Erosion

001

ANNEX II

Data Files

Part A

Data Files

Shoreline Erosion

002

The data files included in this section are arranged by EDBD accession number. This number should be used in inquiries to EDBD or in specific citations of files. However, for the purposes of this report, these files were assigned unique page numbers. Two recently identified files immediately follow the EDBD files.

Files of areas adjacent to the Chesapeake Bay such as North Carolina, Delaware, New Jersey and Pennsylvania have been included when encountered.

ENVIRONMENTAL DATA INDEX

THE ENCLOSED LISTING IS A SELECTION OF FILE DESCRIPTIONS FROM THE ENDEX SYSTEM. ITS PURPOSE IS TO GUIDE USERS WITH REQUIREMENTS FOR HISTORICAL ENVIRONMENTAL DATA TO HOLDERS OF THESE DATA.

THIS OUTPUT WAS SELECTED FROM THE ENTIRE FILE BASED ON CERTAIN CRITERIA SPECIFIED BY THE USER. THESE CRITERIA ARE REPEATED BELOW:

EDBD

THE OUTPUT IS IN TWO PARTS. FIRST IS A LISTING OF ALL THE EDBD'S SELECTED, PRINTED IN ID NUMBER ORDER. AT THE BACK OF EACH OUTPUT MAY BE A CROSS-INDEX, LISTING SUCH THINGS AS WHICH FILE DESCRIPTIONS DESCRIBE DATA COLLECTED ON EACH PLATFORM TYPE, OR WHICH FILE DESCRIPTIONS HAVE DATA IN EACH GRID LOCATOR. THIS SECTION WILL VARY DEPENDING ON THE REQUIREMENTS OF THE USER. THE ID NUMBER IS IN THE UPPER LEFT CORNER OF EACH FILE DESCRIPTION. THE FOLLOWING IS AN EXPLANATION OF FIELDS ON EACH PAGE.

FILE NAME -- TOP CENTER OF PAGE. IDENTIFIED BY DATA HOLDER. ALSO, TIME RANGE OF DATA COLLECTION.

PROJECTS -- LIST OF PROJECTS UNDER WHICH DATA CONTAINED IN FILES MAY HAVE BEEN COLLECTED.

GENERAL GEOGRAPHIC AREA -- BEGINS WITH CONTINENT OR OCEAN IN WHICH DATA WERE COLLECTED AND DESCRIBES SMALLER AND SMALLER AREAS TO GIVE USER A GENERAL AREA OF DATA COLLECTION.

ABSTRACT -- CONTAINS GENERAL INFORMATION ABOUT WHY THE DATA WERE COLLECTED AND WHERE, METHODS OF ANALYSIS AND PERTINENT CONCLUSIONS.

DATA AVAILABILITY -- CONTAINS RESTRICTIONS ON DATA USE, IF BLANK IT MEANS THERE ARE NO KNOWN RESTRICTIONS.

PLATFORM TYPES -- LIST OF TYPES OF PLATFORMS (IF ANY) USED TO COLLECT DATA.

ARCHIVE MEDIA -- MEDIA ON WHICH DATA ARE STORED AND A ROUGH ESTIMATE OF THE SIZE OF THE FILE.

FUNDING -- ORGANIZATION FUNDING THE DATA COLLECTION (IF KNOWN).

INVENTORY -- WHEN DETAILED INFORMATION ON STATION LOCATIONS, COUNTS OF OBSERVATIONS/SAMPLES, ETC. ARE AVAILABLE, IT WILL BE DENOTED HERE.

PUBLICATIONS -- PUBLICATIONS RESULTING FROM THIS DATA SET (LIST IS SOMETIMES CONDENSED).

CONTACT -- NAME, ADDRESS AND PHONE NUMBER OF PERSON TO CONTACT TO OBTAIN FURTHER INFORMATION OR ACTUAL COPIES OF DATA.

GRID LOCATOR -- A SERIES OF NUMBERS USED TO MAKE GEOGRAPHIC RETRIEVAL POSSIBLE ON A COMPUTER. LATITUDE AND LONGITUDE ARE COMBINED INTO A SINGLE NUMBER. THE WORLD METEOROLOGICAL ORGANIZATION (WMO) CODE IS USED TO IDENTIFY AREAS WHERE DATA WERE COLLECTED. THIS MAY BE A 4,6,8, OR 10 DIGIT NUMBER DEPENDING ON WHETHER THE DATA HOLDER CHOSE TO IDENTIFY AREAS DOWN TO 10-DEGREE SQUARES OF LATITUDE AND LONGITUDE OR TO 1-DEGREE, 10-MINUTE, OR 1-MINUTE SQUARES.

FOR A 4-DIGIT GRID LOCATOR THE NUMBERS ARE AS FOLLOWS:

DIGIT 1 -- QUADRANT OF WORLD: 1=NE, 3=SE, 5=SW, 7=NW.

DIGIT 2 -- TENS DIGIT OF LATITUDE.

DIGITS 3/4 -- HUNDREDS AND TENS DIGITS OF LONGITUDE.

THUS 7408 WOULD BE THE 10-DEGREE SQUARE OF WHICH THE POINT 40N AND 080W IS THE LOWER RIGHT HAND CORNER.

FOR A SIX DIGIT NUBMER, DIGITS 5 AND 6 REPRESENT THE UNITS DIGITS OF LATITUDE AND LONGITUDE. THUS 740825 WOULD IDENTIFY THE 1-DEGREE SQUARE OF 42N AND 085W.

WITH AN 8-DIGIT NUMBER, 74082534 REPRESENTS THE SQUARE AT 42-DEGREES, 30-MINUTES NORTH AND 085-DEGREES, 40-MINUTES WEST, OR 10-MINUTE SQUARE.

THE SMALLEST AREA IDENTIFIED IN THE SYSTEM IS A 1-MINUTE SQUARE, OR A 10-DIGIT GRID LOCATOR (E.G., 7408253415 IS 42-DEGRESS 31-MINUTES NORTH AND 085-DEGRESS, 45-MINUTES WEST).

PARAMETER IDENTIFICATION SECTION -- THIS PORTION OF THE FILE DESCRIPTION CONTAINS A LIST OF PARAMETERS MEASURED, THE SPHERE IT WAS MEASURED IN, THE METHODS USED AND THE UNITS OF MEASUREMENT. IN ADDITION, SUCH INFORMATION AS THE NUMBER OF MEASUREMENTS OF EACH PARAMETER AND THE FREQUENCY (IF REGULARLY SPACED) ARE REPORTED. A SPECIALIZED ENDEX VOCABULARY IS AVAILABLE DEFINING THE PARAMETER, SPHERE, AND METHOD TERMS USED.

QUESTIONS CONCERNING THIS OUTPUT SHOULD BE RELAYED TO THE NODC OCEANOGRAPHIC SERVICES BRANCH (202) 634-7500 OR TO THE DATA INDEX BRANCH (202) 634-7298.

000034

MARYLAND DEPARTMENT OF CHESAPEAKE BAY AFFAIRS WETLANDS STUDIES
DATA COLLECTED: JUNE 1972 TO JUNE 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, ELKTON

ABSTRACT:
MISSION W131, FLT. 2 WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON JUNE 3, 1972, IN COOPERATION WITH THE MD. DEPT OF CHESAPEAKE BAY AFFAIRS IN ELKTON, MD. REGION. OBJECTIVE - TO ACQUIRE NATURAL AND FALSE-COLOR REMOTELY SENSED IMAGERY OF WETLAND VEGETATION SPECIES AND MARSHES TO ESTABLISH BASELINE DATA FOR FUTURE EARTH RESOURCES TECHNICAL SATELLITE EXPERIMENTS. FLIGHT IN CLEAR WEATHER, MODERATE HAZE, AIR TEMP. 2 DEG. C AT 10,000 FT. 16 DEG. C AT 2500 FT., MSL WITH WIND OF 15 KNOTS FROM 260 DEG.
(MISSION W131, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
214 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730796 730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT,DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	214	OBS		112 OBS AT 10000 FT, 102 OBS AT 2500 FT	6 INCH FOCAL LENGTH

000045

WACHAPREAGUE INLET TIDAL STUDIES
DATA COLLECTED: JUNE 1972 TO JUNE 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE

ABSTRACT:
MISSION W144, FLT. 2, JUNE 30, 1972, WITH WALLOPS STATION C-54 EQUIPPED WITH AAD-2 IR SCANNER IN COOPERATION WITH THE VA. INSTITUTE OF MARINE SCI. OBJECTIVE - TO OBSERVE TIDAL ACTION WITHIN WACHAPREAGUE INLET BY IMAGING TEMP. DIFFERENCES BETWEEN THE WATERS OF THE ATLANTIC OCEAN ON EASTERN END AND THOSE OF THE SHALLOW TIDAL FLATS TO THE WEST OF THE INLET. (MISSION W144, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
ONE ROLL FILM; 2 FLIGHT LINES; 1 RUN.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			2 FLIGHT LINES
TIME	EARTH	STATION TIME	YMDL	1 STATIONS			
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	1 OBS			AAD-2 IR SCANNER, 1 ROLL OF FILM

000047

RHODE RIVER VEGETATIVE AND DRAINAGE STUDIES
DATA COLLECTED: JUNE 1972 TO JUNE 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER

ABSTRACT:
MISSION W146, FLT. 1, JUNE 26. 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS, IN COOPERATION WITH CHESAPEAKE BAY CTR. FOR ENVIRONMENTAL STUDIES. OBJECTIVE-TO CORRELATE GROUND TRUTH INFORMATION WITH REMOTE SENSED IMAGERY FOR VEGETATIVE GROWTH CHARACTERISTICS, SOIL CONDITIONS, SURFACE WATER LOCATIONS, AND DRAINAGE PATTERNS. LIGHT OVERCAST AND SLIGHT HAZE, AIR TEMP. 20 DEG. C AT 1500 FT., MSL WITH WIND OF 8 KNOTS FROM 300 DEG.
(MISSION W146, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
268 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	268	OBS		1500 FT	152 MM FOCAL LENGTH

000046

TROPICAL STORM "AGNES" FLOOD STUDY OF THE JAMES RIVER
DATA COLLECTED: JUNE 1972 TO JUNE 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, JAMES RIVER

ABSTRACT:
MISSION W146, FLT. 2, JUNE 26, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS. IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. OBJECTIVE - TO ACQUIRE BLACK & WHITE AIRBORN IMAGERY TO ASSESS THE FLOODING EFFECTS AND DAMAGE CREATED BY TROPICAL STORM "AGNES" ALONG THE JAMES RIVER. FLIGHT IN GOOD WEATHER, SOME OVERCAST, SLIGHT HAZE, AIR TEMP. 20 DEG. C AT 3000 FT., MSL WITH WIND OF 10 KNOTS FROM 160 DEG., SLIGHT MALFUNCTION IN CAMERA 2 WHICH CAUSED LAG OF FRAMES. (MISSION W146, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
280 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730776 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS			
PHOTOGRAPH	EARTH	BLACK AND WHITE CAMERA FROM AIRCRAFT	PHOTOGRAPHS	280	OBS		3000 FT	6 INCH FOCAL LENGTH

000056 LITTORAL WIND AND WAVE DYNAMIC EFFECTS ON CEDAR ISLAND, PARRAMORE ISLAND AND THE WACHAPREAGUE INLET

DATA COLLECTED: FEBRUARY 1972 TO FEBRUARY 1972 RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE INLET, PARRAMORE ISLAND, CEDAR ISLAND

ABSTRACT:
MISSION W108, FLT. 1, FEB.16, 1972, WITH WALLOPS STATION CHARTERED BELL HELICOPTER EQUIPPED WITH 4 T-11 AERIAL CAMERAS IN COOPERATION WITH THE VA. INSTITUTE OF MARINE SCI. IN WACHAPREAGUE INLET, VA. AREA. OBJECTIVE - TO OBTAIN NATURAL AND FALSE-COLOR AIRBORN IMAGERY TO INVESTIGATE LITTORAL AND WIND DYNAMIC EFFECTS ON OUTER BANKS OF VA. SEACOAST. FLIGHT MADE IN CLEAR WEATHER, HIGH THIN SCATTERED CLOUDS, AIR TEMP. -2 DEG. C AT 5,000 FT., MSL WITH WIND OF 10-15 KNOTS FROM 260 DEG. (MISSION NO W108, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
204 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			4 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	5 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	204 OBS		5000 FT	6 INCH FOCAL LENGTH

000056

WACHAPREAGUE INLET COASTAL ZONE STUDIES
DATA COLLECTED: MARCH 1972 TO MARCH 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE

ABSTRACT:
MISSION W112, FLT. 1 MARCH 10, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA AND ONE "FOUR CHANNEL" MULTISPECTRAL I2S CAMERA IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. IN WACHAPREAGUE INLET, VA. REGION. OBJECTIVE - TO TEST FLIGHT THE I2S CAMERA AND EVALUATE RESULTS OF BOTH COLOR AND MULTI-CHANNEL BLACK AND WHITE IMAGERY FOR APPLICATION TO CAASTAL ZONE INVESTIGATIONS.
(MISSION NO W112, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
635 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			8 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	8 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	635 OBS		2000 FT	6 INCH FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, MARYLAND, NORTH CAROLINA OUTER BANKS

ABSTRACT:
MISSION W120, FLT. 1, ACCOMPLISHED WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON APRIL 19, 1972, IN COOPERATION WITH U. S. PARK SERVICE AND UNIV. OF VA. OBJECTIVE - TO UTILIZE FALSE COLOR IMAGERY IN ASSESSING LAND AND BIOLOGICAL MODIFICATIONS OF N. C., VA. AND MARYLAND OUTER BANKS.
(MISSION NO W120, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
339 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775 730755

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			11 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	11	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	239	OBS		138 OBS AT 6000 FT, 201 OBS AT 10000 FT	6 INCH FOCAL LENGTH

000064

SHORELINE STUDY, SMITHSONIAN INSTITUTION
DATA COLLECTED: APRIL 1972 TO APRIL 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER

ABSTRACT:
MISSION W122, FLT. 1, APRIL 21, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH ATT-11 AERIAL CAMERA IN COOPERATION WITH CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. OBJECTIVE - TO RECORD VARIATIONS IN LOCATION OF SHORE-LINE OF RHODE RIVER ESTUARY BY USE OF AERIAL PHOTOGRAPHY IN CONJUNCTION WITH GROUND MEASUREMENTS. FLIGHT MADE IN CLOUD-FREE WEATHER WITH MODERATE HAZE, VISIBILITY 5-7 MILES, AIR TEMP. 0 DEG. C AT 5000 FT., MSL WITH WIND OF 10 KNOTS FROM SWE.
(MISSION NO W122, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
42 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			3
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	42	OBS		5000 FT	6 INCH FOCAL LENGTH

000067

HOG ISLAND AND PIG POINT SURFACE CURRENT STUDIES - JAMES RIVER
DATA COLLECTED: APRIL 1972 TO APRIL 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, JAMES RIVER

ABSTRACT:
MISSION W124, FLT. 1, APRIL 27, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND AN AAD-2 THERMAL IR SCANNER. OBJECTIVE - TO OBTAIN BASE LINE INFORMATION OF SURFACE CURRENT PATTERNS IN PIG POINT AND HOG ISLAND AREAS OF JAMES RIVER. FLIGHT MADE IN CLEAR WEATHER, VISIBILITY 7-8 MILES, AIR TEMP. 0 DEG. C AT 5000 FT., MSL WITH WIND OF 15 KNOTS FROM 290 DEG.
(MISSION NO W124, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
69 9" X 9" FRAMES; SCANNER FILM.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730776 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS			5 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHM	5	STATIONS			
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	70	OBS		1 ROLL OF FILM AT 2500 FT, 69 OBS AT 5000 FT	152 MM FOCAL LENGTH, AAD-2 THERMAL IR SCANNER, 3 FLIGHT LINES

00006:

CHINCOTEAGUE BAY OVERFLIGHT
DATA COLLECTED: APRIL 1972 TO APRIL 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, MARYLAND, CHINCOTEAGUE BAY

ABSTRACT:
MISSION W124, FLT. 2, APRIL 27, 1972, OVER CHINCOTEAGUE BAY, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL CAMERA. OBJECTIVE - TO OBTAIN BASE LINE INFORMATION OF WETLANDS AND CULTURAL CHANGES OCCURRING THROUGHOUT THE WINTER MONTHS. FLIGHT IN CLEAR WEATHER, VISIBILITY 7-8 MILES, AIR TEMP. 0 DEG. C AT 7000 FT., MSL WITH WIND OF 15 KNOTS FROM 290 DEG. (MISSION NO W124, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
103 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			3 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHMSL	3	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	103	OBS		7000 FT	152 MM FOCAL LENGTH

000069

MARYLAND DEPARTMENT OF CHESAPEAKE BAY AFFAIRS WETLANDS STUDIES
DATA COLLECTED: APRIL 1972 TO APRIL 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, ELK RIVER

ABSTRACT:
MISSION W125, FLT. 1, APRIL 28, 1972, WITH WALLOPS STATION C-54 AIRCRAFT WITH TWO T-11 AERIAL CAMERAS IN COOPERATION WITH MD. DEPT. OF CHESAPEAKE BAY AFFAIRS IN ELK RIVER, MD. AREA. OBJECTIVE - TO UTILIZE AIRBORN NATURAL AND FALSE-COLOR IMAGERY FOR IDENTIFICATION AND DISTRIBUTION OF MARSHLAND AQUATIC COMMUNITIES IN PREPARATION FOR ERTS OVERPASSES. FLIGHT IN GOOD WEATHER WITH MODERATE HAZE, AIR TEMP. 6 DEG. C AT 2,500 FT., MSL WITH WIND OF 15 KNOTS FROM 320 DEG. (MISSION NO W125, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
155 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730796 730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	11	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	228	OBS		136 OBS AT 10000 FT, 92 OBS AT 2500 FT	6 INCH FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER

ABSTRACT:
MISSION W126, FLT. 1, MAY 5, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS, IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF SMITHSONIAN INSTITUTE. OBJECTIVE - TO OBTAIN SPRING IMAGERY OF MARSH AND BASIN VEGETATION FOR USE IN MAKING SPECTRAL COMPARISONS OF SAME PLANTS THROUGHOUT GROWING SEASON. FLIGHT MADE WITH GOOD VISIBILITY, SCATTERED CLOUD COVERAGE, AIR TEMP. 16 DEG. C AT 2500 FT., 12 DEG. C AT 10,000 FT., MSL WITH WIND OF 15 KNOTS FROM 290 DEG.
(MISSION NO W126, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
229 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	12	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	229	OBS		208 OBS AT 2500 FT, 21 OBS AT 10000 FT	152 MM FOCAL LENGTH

017

000073 DYNAMIC RIVER BASIN CHARACTERISTICS STUDY-SOWBRIDGE RIVER, DELAWARE AND BEAVER DAM RIVER, MARYLAND

DATA COLLECTED: JULY 1973 TO JULY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, BEAVER DAM RIVER; DELAWARE BAY, DELAWARE, SOWBRIDGE RIVER

ABSTRACT:
MISSION W237, FLT. 1, JULY 25, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S MULTISPECTRAL CAMERA SYSTEM IN COOPERATION WITH WATER RESOURCES DIV. OF U. S. GEOLOGICAL SURVEY. OBJECTIVE - TO OBTAIN MULTISPECTRAL IMAGERY OF SOWBRIDGE AND BEAVER DAM RIVERS PERIODICALLY FOR USE IN COMPILING A HISTORY OF DRAINAGE BASIN DYNAMICS OF EACH OF THE RIVERS. FLIGHT MADE IN HAZE WEATHER WITH SOME SCATTERED AND BROKEN CLOUDS, AIR TEMP. 14 DEG. C AT 5500 FT., 8 DEG. C AT 9500 FT., MSL WITH WIND OF 10-15 KNOTS FROM 225 DEG.
(MISSION NO W237, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
75 9" X 9" AND 2.7" X 2.7" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730786 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	75	OBS		55 OBS AT 5500 FT, 20 OBS AT 9500 FT	152 MM AND 100 MM FOCAL LENGTH, I2-S MULTISPECTRAL

00013   SHELF SEDIMENTS OFF CHESAPEAKE BAY 1. GENERAL LITHOLOGY AND COMPOSITION   PAGE 01
DATA COLLECTED: AUGUST 1961 TO JULY 1963   RECEIVED: NOVEMBER 07, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, U.S., COASTAL, CHESAPEAKE BIGHT

ABSTRACT:
SEDIMENTARY MATERIALS WERE SAMPLED BY GRAB FROM THE CHESAPEAKE BIGHT REGION OF THE CONTINENTAL SHELF, NORTH OF THE CHESAPEAKE BAY ENTRANCE. SAMPLES FROM EACH OF 113 STATIONS WERE ANALYZED FOR PARTICLE SIZE; MEDIAN, MEAN, SORTING, MODE. COARSE FRACTIONS, 0.062 TO 1.00 MM WERE VISUALLY IDENTIFIED FOR PERCENT COMPOSITION.
(VIMS SPECIAL SCIENTIFIC REPORT 64 APRIL 1972)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
168 SAMPLES AND SUBSAMPLES

FUNDING:
COMMONWEALTH OF VIRGINIA AND NOAA SEA GRANT PROGRAM NG-5-72

INVENTORY:

PUBLICATIONS:

CONTACT:
MAYNARD M NICHOLS 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	113	STATIONS			POSITION ACCURACY 0.8 KM
TIME	EARTH	STATION TIME	YMD	113	STATIONS			VAN VEEN GRAB; ORANGE PEEL GRAB FOR VERY COARSE SEDIMENT
SIZE ANALYSIS	SEDIMENT	SIEVE	MM DIAMETER RANGES	113	OBS		BOTTOM	0.062, 1, 2 MM SIEVES USED; GREATER THAN 1 AND 2 MM DETERMINED BY

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							DRY WEIGHING; 0.062-1 MM DETERMINED BY SEDIMENT ANALYSER; LESS THAN 0.062 DETERMINED PY PIPETTE ANALYSIS; MEDIAN, MEAN, SORTING, MODE ARE PRESENTED FOR EACH STATION
SIZE ANALYSIS	SEDIMENT	VISUAL	SEDIMENT TYPE AND PERCENT COMPOSITION	113	OBS	BOTTOM	0.062-1.00 MM SIZE RANGE ONLY; PERCENT COMPOSITION: LIGHT MINERALS, DARK MINERALS, MICA, SHELL, WOOD-PLANT FRAGMENTS, FORAMS, OSTRACODS, DIATOMS, SPINES

000158

WETLAND BOUNDARY MAPS
DATA COLLECTED: AUGUST 1971 TO AUGUST 1972

RECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

ABSTRACT:
AERIAL PHOTOGRAPH FILE OF ALL LAND AND WATER INTERFACES IN THE STATE OF MARYLAND USED TO DELINEATE LANDWARD BOUNDARY OF TIDAL WETLANDS. PHOTOGRAMETRIC STANDARDS MET. COLOR AND IR PHOTOS 1 INCH TO 1000 FT SCALE. BLOWUP PRINTS 1 INCH TO 200 FT SCALE. (PHOTOGRAPHS ARE AVAILABLE FOR EXAMINATION IN DNR OFFICES.)

DATA AVAILABILITY:
PHOTOGRAPHS (SCALE 1" = 1000') PURCHASABLE FROM RAYTHEON AUTOMETRIC OPERATION WAYLAND, MASSACHUSETTS AND PHOTOSCIENCE INC GAITHERSBURG, MARYLAND. PHOTOMAPS AVAILABLE AT DNR (SCALE 1" = 200')

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
1 CUBIC YARD

FUNDING:
STATE OF MARYLAND DNR

INVENTORY:

PUBLICATIONS:

CONTACT:
WILLIAM SIPPLE 301-267-5877
MARYLAND DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730785 730787 730795 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2000	STATIONS			
TIME	EARTH	STATION TIME	YMD	2000	STATIONS			
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	SCALE 1 INCH TO 1000 FEET	2000	OBS	ONE TIME		FLIGHTS COVERED ALL LAND AND WATER INTERFACES IN MARYLAND
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	SCALE 1 INCH TO 1000 FEET	2000	OBS	ONE TIME		FLIGHTS COVERED ALL LAND AND WATER INTERFACES IN MARYLAND

021

VEGETATION MAPPING SURVEY OF STATE OWNED WATERFOWL AREAS
DATA COLLECTED: JULY 1958 TO PRESENT

RECEIVED: NOVEMBER 14, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY

ABSTRACT:
STATE OWNED WATERFOWL AREAS HAVE BEEN MAPPED FOR VEGETATIVE TYPES BY AERIAL PHOTOGRAPHY. BEFORE AND AFTER ANY MANAGEMENT PROJECTS THE AREAS IN QUESTION ARE AGAIN MAPPED AND THE VEGETATIVE COMMUNITY DESCRIBED.
(PITTMAN ROBERTSON PROJECT, BUREAU OF SPORT FISHERIES AND WILDLIFE)

DATA AVAILABILITY:
COST OF DUPLICATION

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
DATA SHEETS; PHOTOPRINTS
ONE FILE CABINET DRAWER

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
VERNON STOTTS 301-267-5195
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730785 730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	50	STATIONS			
TIME	EARTH	STATION TIME	YMDH	50	OBS			ADDITIONAL PHOTOGRAPHS ARE TAKEN AS APPROPRIATE, ON ANY OF THESE STATIONS BEFORE AND AFTER ANY MANAGEMENT PROJECTS
SPECIES DETERMINATION	LAND	KEY	TYPES OF SPECIES	50	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
OF BENTHIC PLANTS							
COUNT OF BENTHIC PLANTS	LAND	VISUAL	AREA	50 OBS			DISTRIBUTION OF BENTHIC PLANTS, MAP SCALE: 1" TO 660'
COMMUNITY STRUCTURE ANALYSIS	LAND	CALCULATED	CATEGORIES	12 OBS			AREAS ARE DESCRIBED AS BEING IN ONE OF TWELVE CATEGORIES, INDEX OF DOMINANCE

C13

BOMBAY HOOK NATIONAL WILDLIFE REFUGE BASE LINE STUDY
DATA COLLECTED: OCTOBER 1970 TO OCTOBER 1970

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY, DELAWARE BOMBAY HOOK ISLAND

ABSTRACT:
MISSION W029, FLT. 1, OCTOBER 19, 1970, WITH WALLOPS STATION CHARTERED BELL 205 HELICOPTER EQUIPPED WITH A POD OF 4 T-11 AERIAL MAPPING CAMERAS. FLIGHT MADE FOR CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE FOR PURPOSE OF OBTAINING BASE LINE REMOTE SENSOR DATA OVER THE BOMBAY HOOK WILDLIFE REFUGE BETWEEN THE SMYRNA RIVER AND LITTLE RIVER ON DELAWARE SHORE OF DELAWARE BAY. FLIGHT IN CLEAR WEATHER, SLIGHT HAZE, AIR TEMP. 0 DEG. C AT 10.000 FT., MSL WITH WIND OF 28 KNOTS FROM 280 DEG. (MISSION NO W029, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
108 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			2 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	2	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	108	OBS		10000 FT	6 INCH FOCAL LENGTH

000183

BLACKWATER WILDLIFE REFUGE BASE LINE STUDY
DATA COLLECTED: OCTOBER 1970 TO OCTOBER 1970

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, BLACKWATER WILDLIFE REFUGE

ABSTRACT:
MISSION W029, FLT. 2, OCTOBER 19, 1970, WITH WALLOPS STATION CHARTERED BELL 205 HELICOPTER EQUIPPED WITH A POD OF 4 T-11 AERIAL MAPPING CAMERAS. OBJECTIVE - TO OBTAIN BASE LINE REMOTE SENSOR DATA FOR CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE OVER THE BLACKWATER WILDLIFE REFUGE LOCATED IN THE CHESAPEAKE BAY WETLANDS AREA SOUTH OF CAMBRIDGE, MD. FLIGHT IN CLEAR WEATHER, SLIGHTLY HAZY, AIR TEMP. 10 DEG. C AT 1000 FT. AND 8 DEG. C FROM 10,000 FT., MSL WITH WIND OF 20 KNOTS FROM 280 DEG. (MISSION NO W029, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
132 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			4 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	4	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	132	OBS		48 OBS AT 1000 FT, 44 OBS AT 5000 FT, 40 OBS AT 10000 FT	6 INCH FOCAL LENGTH

000184

CHINCOTEAGUE NATIONAL WILDLIFE REFUGE BASE LINE STUDY
DATA COLLECTED: OCTOBER 1970 TO OCTOBER 1970

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, CHINCOTEAGUE

ABSTRACT:
MISSION W029, FLT. 3, OCTOBER 19, 1970, WALLOPS STATION CHARTERED BELL 205 HELICOPTER EQUIPPED WITH A POD OF T-11 AERIAL MAPPING CAMERAS. OBJECTIVE - TO OBTAIN REMOTE SENSOR BASE LINE DATA OF ACTIVE WILDLIFE AREAS IN CHINCOTEAGUE - TOM'S COVE - ASSETEAGUE AREA. FLIGHT MADE FOR THE CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE. FLIGHT IN CLEAR WEATHER, AIR TEMP. +8 DEG. -C AT 1000 FT., MSL WITH WIND OF 20 KNOTS FROM 280 DEG. (MISSION NO W029, FLT 3)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
256 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	256	OBS		54 OBS AT 5000 FT, 202 OBS AT 1000 FT	6 INCH FOCAL LENGTH

000185 WALLOPS ISLAND LITTORAL REGIME BASE LINE STUDY PAGE 01
DATA COLLECTED: OCTOBER 1970 TO OCTOBER 1970 RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA WALLOPS ISLAND

ABSTRACT:
MISSION W029, FLT. 4, OCTOBER 19, 1970, WITH WALLOPS STATION CHARTERED BELL 205 HELICOPTER EQUIPPED WITH A POD OF 4 T-11 AERIAL MAPPING CAMERAS. OBJECTIVE - TO OBTAIN BASE LINE REMOTE SENSOR DATA FOR THE CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE OF THE STATUS OF THE LITTORAL REGIME OF WALLOPS ISLAND. FLIGHT IN CLEAR WEATHER, MODERATE HAZE, AIR TEMP. -4 DEG. C AT 10,000 FT., MSL WITH WIND OF 20 KNOTS FROM 280 DEG.
(MISSION NO W029, FLT 4)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
28 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			1 FLIGHT LINE
TIME	EARTH	SAMPLING TIME	YMDHML	1	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	28	OBS		10000 FT	6 INCH FOCAL LENGTH

00019:

INVESTIGATIONS OF MARYLAND'S TIDAL SHORELINES
DATA COLLECTED: FEBRUARY 1973 TO FEBRUARY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:
ERTS

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, ASSATEAGUE ISLAND TO FENWICK ISLAND

ABSTRACT:
MISSION W188, FLT. 1, FEB. 12, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AND AN I2S CAMERA SYSTEM IN COOPERATION WITH MD. GEOLOGICAL SURVEY. OBJECTIVE - TO CONTINUE MONITORING THE MD. SHORELINES FOR CHANGES IN LAND FORM CONFIGURATION AND UNDERWATER SHIFTS IN SAND BARS AND CHANNELS. IMAGERY WILL ALSO BE USED WHEN POSSIBLE FOR LAND USE, COMMUNITY URBANIZATION, AND ARCHEOLOGICAL STUDIES. FLIGHT IN CLEAR WEATHER, AIR TEMP. 4 DEG. C AT 10,500 FT., MSL WITH WIND OF 28 KNOTS FROM 320 DEG.
(MISSION NO W188, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
235 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730787 730786 730796 730775 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHMS	11	STATIONS			11 FLIGHT LINES
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	235	OBS		10500 FT	100 MM AND 152 MM FOCAL LENGTH

000201

BRANDYWINE RIVER POLLUTION STUDY
DATA COLLECTED: JULY 1973 TO JULY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY, DELAWARE, BRANDYWINE RIVER

ABSTRACT:
MISSION W225, FLT. 1, JULY 5, 1973, WITH WALLOPS STATION HELICOPTER EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH CHESTER COUNTY HEALTH DEPT. AND THE U.S. GEOLOGICAL SURVEY. OBJECTIVE - TO OBTAIN LARGE SCALE AERIAL PHOTOGRAPHY OF BRANDYWINE RIVER FROM ITS CONFLUENCE WITH THE DELAWARE RIVER AND INTERSECTION OF PENN. RT. 162 WITH ITS EAST AND WEST BRANCHES. IMAGERY TO BE USED FOR LOCATING POLLUTION OUTFALLS ON RIVER AND FOR LOCATING POSSIBLE DUMPING SITES OF ANIMAL OR HUMAN WASTE. FLIGHT IN SCATTERED CLOUDS, VISIBILITY UP TO 5 MILES, AIR TEMP. 18 DEG. C AT 1250 FT., MSL WITH WIND OF 10 KNOTS FROM 360 DEG.
(MISSION NO W225, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
490 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	490	OBS		304 OBS AT 600 FT, 186 OBS AT 1250 FT	152 MM FOCAL LENGTH

000202

SHOALS AND ISLANDS OFF THE MOUTH OF THE SUSQUEHANNA RIVER
DATA COLLECTED: AUGUST 1973 TO AUGUST 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, SUSQUEHANNA RIVER, SASSAFRAS RIVER

ABSTRACT:
MISSION W227, FLT. 2, AUGUST 13, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS. OBJECTIVE - TO OBTAIN IMAGERY OF SHOALS AND ISLANDS OFF MOUTH OF SUSQUEHANNA RIVER IN CHESAPEAKE BAY. IMAGERY WILL BE COMPARED WITH IMAGERY TAKEN BEFORE TROPICAL STORM AGNES TO DETERMINE THE EFFECT OF THE STORM ON THESE SHOALS AND ISLANDS. FLIGHT MADE IN SCATTERED TO BROKEN CLOUDS WITH SOME HAZE, AIR TEMP. 5 DEG. C AT 10,500 FT., MSL WITH WIND OF 15 KNOTS FROM 320 DEG. (MISSION NO W227, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
50 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730796 730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			3 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	3	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	50	OBS		12500 FT	152 MM FOCAL LENGTH

000205

WACHAPREAGUE TIDAL MARSH STUDY
DATA COLLECTED: JULY 1973 TO JULY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE

ABSTRACT:
MISSION W232, FLT. 1, JULY 24, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS, IN COOPERATION WITH VA. INSTITUTE OF MARINE SCIENCE. OBJECTIVE - TO PRODUCE A FILM RECORD OF THE AERIAL EXTENT AND PLANT VIGOR OF MARSH GRASSES IN THE FOOL'S GUT AREA OF WACHAPREAGUE TIDAL MARSHES. FLIGHT IN SLIGHTLY CLOUDY WEATHER, VISIBILITY UP TO 5 MILES, AIR TEMP. WAS 12 DEG. C AT 5000 FT., MSL WITH WIND OF 10 KNOTS FROM 045 DEG.
(MISSION NO W232, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
165 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	165	OBS		133 OBS AT 5000 FT, 32 OBS AT 10000 FT	152 MM FOCAL LENGTH

000244

DELBAY
DATA COLLECTED: JUNE 1968 TO JUNE 1970

RECEIVED: DECEMBER 05, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY

ABSTRACT:
CURRENT VELOCITIES AND SUSPENDED SEDIMENT CONCENTRATIONS WERE MONITORED AT APPROXIMATELY 43 STATIONS THROUGHOUT THE DELAWARE BAY FOR A PERIOD OF TWO YEARS.

DATA AVAILABILITY:
DATA FILES AVAILABLE FROM GEOLOGY DEPARTMENT UNIVERSITY OF DELAWARE

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
PUNCHED CARDS; DATA SHEETS
SEVERAL NOTEBOOKS OF DATA SHEETS, PUNCHED CARDS AND UNPUBLISHED PHD DISSERTATION

FUNDING:

INVENTORY:

PUBLICATIONS:
PHD DISSERTATION, SUSPENDED SEDIMENT TRANSPORTIN DELAWARE BAY, BY OOSTDAM, UNIVERSITY OF DELAWARE

CONTACT:
DR B L OOSTDAM 717-872-5411
MARINE SCIENCE CONSORTIUM
MILLERSVILLE PENNSYLVANIA USA 17551

GRID LOCATOR (LAT):
730785 730784 730795 730794

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	43	STATIONS			DETERMINED BY SEXTANT AND LORAN
TIME	EARTH	STATION TIME	YMDHM	100	OBS	VARIABLE 1 TO 5 OBS PER STATION		
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	4500	OBS			THROUGHOUT A TIDAL CYCLE, AT 5 DEPTHS EVERY 1/2 HOUR
TEMPERATURE	WATER	THERMISTOR	DEG C	4500	OBS			THROUGHOUT A TIDAL CYCLE, AT 5 DEPTHS EVERY 1/2 HOUR

000244

DELBAY (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
PARTICULATE MATTER	WATER	MEMBRANE FILTRATION	PARTS PER MILLION	4500	OBS			THROUGHOUT A TIDAL CYCLE, AT 5 DEPTHS
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	CM PER SECOND	12000	OBS			EVERY 1/2 HOUR AT ONE LEVEL AT LEAST 3 TIMES IN 5 MINUTES
WIND SPEED	AIR	VISUAL	MILES PER HOUR	100	OBS			EVERY 1/2 HOUR
TEMPERATURE	AIR	MERCURY THERMOMETER	DEG C	100	OBS			EVERY FEW HOURS DURING STATION

033

000292

CALVERT CLIFFS BENTHIC ANIMAL-SEDIMENT STUDY
DATA COLLECTED: JUNE 1971 TO PRESENT

RECEIVED: JANUARY 15, 1974

PROJECTS:
ECOLOGICAL EFFECTS OF NUCLEAR STEAM

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY

ABSTRACT:
REPLICATE BENTHOS AND SEDIMENT SAMPLES ARE OBTAINED AT QUARTERLY INTERVALS IN THE VICINITY OF THE CALVERT CLIFFS NUCLEAR S.E.S. SITE ON THE WESTERN SHORE OF THE CHESAPEAKE BAY. DATA WILL BE USED FOR PRE AND POST-OPERATIVE ASSESSMENT OF POWER PLANT'S ENVIRONMENTAL INFLUENCE.
(IN PROGRESS REPORTS TO U S ATOMIC ENERGY COMMISSION. SELECTED STATION RESULTS FROM COVE-POINT ANIMAL-SEDIMENT STUDY WILL BE USED IN FUTURE FOR "DOWN-BAY" STATION COMPARISON)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS; DATA SHEETS
SEVERAL REPORTS AND SEVERAL NOTEBOOKS OF DATA SHEETS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JOSEPH A MIHURSKY 301 535 2121
NATURAL RESOURCES INSTITUTE
HALLOWING POINT FIELD STATION, ROUTE 1
PRINCE FREDERICK MARYLAND USA 20678

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	22	STATIONS			
TIME	EARTH	STATION TIME	YMDHM	262	OBS			3 STATIONS SAMPLED MONTHLY SINCE JANUARY, 1972
SIZE ANALYSIS	SEDIMENT	SIEVE	PHI	524	OBS			REPLICATE SAMPLES FROM EACH STATION OF 0.1 TO 0.2M2 OBTAINED WITH ANCHOR

000292

CALVERT CLIFFS BENTHIC ANIMAL-SEDIMENT STUDY (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS	524	OBS			DREDGE REPLICATE SAMPLES FROM EACH STATION OF 0.1 TO 0.2M2 OBTAINED WITH ANCHOR DREDGE
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	SPECIES	524	OBS			REPLICATE SAMPLES FROM EACH STATION OF 0.1 TO 0.2M2 OBTAINED WITH ANCHOR DREDGE
BIOMASS OF BENTHIC ANIMALS	BOTTOM	WET WEIGHT	G PER M3	524	OBS			REPLICATE SAMPLES FROM EACH STATION OF 0.1 TO 0.2M2 OBTAINED WITH ANCHOR DREDGE
TEMPERATURE	WATER	THERMISTOR	DEG C	524	OBS		SURFACE AND BOTTOM	
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	524	OBS		SURFACE AND BOTTOM	

0351

000777

SUSPENDED PARTICULATE MATERIAL IN THE LOWER YORK RIVER
DATA COLLECTED: JUNE 1961 TO JULY 1962

RECEIVED: MAY 16, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, LOWER YORK RIVER

ABSTRACT:
8 PARAMETERS WERE MEASURED AT A FIXED STATION IN THE LOWER YORK RIVER 15 TIMES IN A YEAR TO STUDY THE DISTRIBUTIONAL PATTERNS OF PARTICULATE MATTER IN THE WATER COLUMN AND ITS EFFECT ON PHOTOSYNTHESIS. DATA APPEARS IN THE VIMS SPECIAL SCIENTIFIC REPORT NO 44

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
VIMS SPECIAL SCIENTIFIC REPORT NO 44 FOR 1 STATION MEASURED 15 TIMES IN A YEAR

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS SPECIAL SCIENTIFIC REPORT NO 44

CONTACT:
LIBRARIAN 703-642-2111 X19
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
7307761340

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	1	STATIONS			
TIME	EARTH	STATION TIME	YMDHL	15	STATIONS			
TEMPERATURE	WATER	THERMISTOR	DEG C	15	OBS		SURFACE TO BOTTOM PROFILE	
CHLORINITY	WATER	TITRATION	PARTS PER THOUSAND	150	OBS		SURFACE TO BOTTOM PROFILE	MOHR
LIGHT EXTINCTION	WATER	UNKNOWN	LOG OF RATIO	150	OBS		SURFACE TO BOTTOM PROFILE	
DISSOLVED OXYGEN GAS	WATER	TITRATION	MG PER LITER	150	OBS		SURFACE TO BOTTOM PROFILE	WINKLER

00077

SUSPENDED PARTICULATE MATERIAL IN THE LOWER YORK RIVER (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
PARTICULATE MATTER	WATER	MEMBRANE FILTRATION	MG PER LITER	120	OBS		SURFACE TO BOTTOM PROFILE	
PARTICULATE INORGANIC MATTER FLUX	WATER	DRY COMBUSTION/ GAS DISPLACEMENT	MG PER LITER	120	OBS		SURFACE TO BOTTOM PROFILE	MEMBRANE FILTRATION
PARTICULATE INORGANIC MATTER	WATER	ASH WEIGHT	MG PER LITER	120	OBS		SURFACE TO BOTTOM PROFILE	MEMBRANE FILTRATION
PHOTOSYNTHETIC RATE	WATER	OXYGEN DETERMINATION	GRAM CAL PER SQUARE CM PER DAY	111	OBS		2, 6 AND 10 FEET	NET PRODUCTION, GROSS PRODUCTION AND RESPIRATION RATES COMPUTED

037

000800

DATA ON COASTAL CURRENTS OFF CHESAPEAKE BAY
DATA COLLECTED: DECEMBER 1959 TO DECEMBER 1961

PROJECTS:

RECEIVED: MAY 16, 1973

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, MOUTH OF CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
A DATA REPORT OF THE COASTAL CURRENTS OFF THE MOUTH OF THE CHESAPEAKE BAY USING SURFACE AND BOTTOM DRIFT DEVICES RELEASED AT 25 DIFFERENT LOCATIONS OVER A 2 YEAR PERIOD.

DATA AVAILABILITY:
COST OF REPRODUCTION AND HANDLING CHARGE

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
220 OBS IN ONE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS SPECIAL SCIENTIFIC REPORT NO 31

CONTACT:
LIBRARIAN 703-642-2111 X19
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776 730775 730766 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CM	25	STATIONS			
TIME	EARTH	STATION TIME	YMDL	25	STATIONS			
DEPTH	WATER	UNCORRECTED SOUNDING DEPTH BASED ON 4800 FT/SEC	FEET	25	OBS			
CURRENT DIRECTION	WATER	DRIFT DEVICE	BEARING OF DRIFT	220	OBS		SURFACE AND BOTTOM	
CURRENT SPEED	WATER	DRIFT DEVICE	MILES TRAVELED, DAYS ADRIFT	220	OBS		SURFACE AND BOTTOM	

000803

INVENTORY AND EVALUATION OF TIDAL WETLANDS IN MATHEWS COUNTY, VIRGINIA
DATA COLLECTED: FEBRUARY 1973 TO MARCH 1973

RECEIVED: MAY 16, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, MATHEWS COUNTY

ABSTRACT:
AN ESTIMATE OF THE VALUE INDEX AND WILDLIFE USAGE OF THE TIDAL WETLANDS OF MATHEWS COUNTY, VIRGINIA BASED ON 300 CROPPINGS OF MARSH PLANTS IN THE LATE WINTER OF 1973. PLANTS WERE IDENTIFIED TO SPECIES, COUNTED AND WEIGHED. (MAPS, PHOTOGRAPHS AND LAND USE INFORMATION INCLUDED)

DATA AVAILABILITY:

PLATFORM TYPES:

ARCHIVE MEDIA:
REPORTS
1 REPORT OF 300 CROPPINGS OF MARSH PLANTS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
KENNETH MARCELLUS 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT.	MAP LOCATION	300	STATIONS			STATIONS ARE DISCRETE PARCELS OF WETLAND
TIME	EARTH	STATION TIME	YMDL	300	STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF SPECIES PER MAP LOCATION	300	OBS			MARSH PLANTS
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER AREA	300	OBS			MARSH PLANTS
TIDAL ZONE AREA	LAND	VISUAL	PER CENT	300	OBS			WETLANDS
YIELD OF BENTHIC PLANTS	LAND	CROPPING	TONS PER ACRE PER YEAR	300	OBS			MARSH PLANTS
SHORE LINE LENGTH	LAND	DIRECT	FEET PER WETLAND AREA	300	OBS			

039

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
LAND USE	LAND	VARIOUS	VARIOUS	300 OBS			VALUE INDEX OF WETLAND, WILDLIFE USAGE OF WETLAND

000804

INVENTORY AND EVALUATION OF TIDAL WETLANDS IN LANCASTER COUNTY, VIRGINIA
DATA COLLECTED: SEPTEMBER 1972 TO NOVEMBER 1972

RECEIVED: MAY 16, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, LANCASTER COUNTY

ABSTRACT:
AN ESTIMATE OF THE VALUE INDEX AND WILDLIFE USAGE OF THE WETLANDS OF LANCASTER COUNTY, VIRGINIA BASED ON 210 SEPERATE CROPPINGS OF MARSH PLANTS IN THE FALL OF 1972. PLANTS WERE IDENTIFIED TO SPECIES, COUNTED AND WEIGHED. (MAPS, PHOTOGRAPHS AND LAND USE INFORMATION INCLUDED)

DATA AVAILABILITY:

PLATFORM TYPES:

ARCHIVE MEDIA:
REPORTS
A REPORT OF 210 CROPPINGS OF MARSH PLANTS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
KENNETH MARCELLUS 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

041

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	210	STATIONS			STATIONS ARE DISCREET PARCELS OF WETLAND
TIME	EARTH	STATION TIME	YMDL	210	STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF SPECIES PER MAP LOCATION	210	OBS			MARSH PLANTS
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER AREA	210	OBS			MARSH PLANTS
TIDAL ZONE AREA	LAND	VISUAL	PER CENT	210	OBS			WETLANDS
YIELD OF BENTHIC PLANTS	LAND	CROPPING	TONS PER ACRE PER YEAR	210	OBS			MARSH PLANTS
SHORE LINE LENGTH	LAND	DIRECT	FEET PER WETLAND AREA	210	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
LAND USE	LAND	VARIOUS	VARIOUS	210 OBS			VALUE INDEX OF WETLAND, WILDLIFE USAGE OF WETLAND

000823 ENVIRONMEN. IMPACT OF PROPOSED MARINA IN YORK RIVER STATE PARK
DATA COLLECTED: OCTOBER 1972 TO OCTOBER 1972

RECEIVED: MAY 30, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, YORK RIVER, TASKINAS CREEK

ABSTRACT:
BIOMASS AND ANNUAL YIELD PER ACRE, SPECIES DETERMINATION AND BODY LENGTH WERE RECORDED FOR BENTHIC PLANTS IN THE TASKINAS CREEK, VIRGINIA DURING OCTOBER 1972. WATER SAMPLES WERE ANALYZED FOR SALINITY AND TOTAL ORGANIC CARBON, AND THE WATER TRANSPORT RATE OF THE CREEK WAS MEASURED. THE RESULTS OF THE STUDY ARE AVAILABLE ON DATA SHEETS FROM VIMS, ALONG WITH COMMENTS ON WILDLIFE USEAGE.
(DATA CONTAINS COMMENTS ON WILDLIFE USAGE)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
62 OBS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
KENNETH MARCELLUS 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	STATION TIME	YMDL	1	STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF SPECIES PER MARSHLAND AREA	1	OBS			MARSH PLANTS
BIOMASS OF BENTHIC PLANTS	LAND	DRY WEIGHT	TONS PER ACRE	1	OBS			MARSH PLANTS
YIELD OF BENTHIC PLANTS	LAND	CROPPING	TONS PER ACRE PER YEAR	1	OBS			MARSH PLANTS
LENGTH OF BENTHIC PLANTS	LAND	DIRECT	METERS	1	OBS			MARSH PLANTS
ORGANIC CARBON	WATER	WET COMBUSTION/	MG PER LITER	28	OBS		FOURTEEN	TWO TIDAL

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
		INFRARED SPECTROMETRY					HOURLY SAMPLES PER TIDAL CYCLE	CYCLES SAMPLED
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	28	OBS		FOURTEEN HOURLY SAMPLES PER TIDAL CYCLE	TWO TIDAL CYCLES SAMPLED
WATER TRANSPORT	WATER	IMPELLOR METER	CUBIC METERS PER TIDAL CYCLE	2	OBS			TWO TIDAL CYCLES SAMPLED

001016 SURFACE WATER TURBIDITY IN THE ENTRANCE TO CHESAPEAKE BAY, VIRGINIA PAGE 01
DATA COLLECTED: FEBRUARY 1971 TO FEBRUARY 1972 RECEIVED: JULY 13, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY MOUTH, VIRGINIA

ABSTRACT:
STUDY OF SURFACE WATER TURBIDITY AT ENTRANCE OF CHESAPEAKE BAY, VIRGINIA

DATA AVAILABILITY:
OLD DOMINION UNIVERSITY THESIS, J R MELCHOR, 1972, OLD DOMINION UNIVERSITY INSTITUTE OF ECEANOGRAPHY TECHNICAL REPORT NO. 5

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
5 PARAMETERS MEASURED AT 18 STATIONS; STATIONS OCCUPIED 13 TIMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN LUDWICK 703-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730776 730766 730775 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	18	STATIONS			STATIONS ON A 14 MILE LINE FROM LITTLE CREEK TO FISHERMANS ISLAND
TIME	EARTH	STATION TIME	YMDL	234	STATIONS			
LIGHT ATTENUATION	WATER	SPECTROPHOTOMETRY	PERCENT OF TRANSMITTANCE	234	OBS	MONTHLY		BENDIX MARINE ADVISORS C-2 TRANSMISSOMETER
SIZE ANALYSIS	SEDIMENT	SIEVE	PERCENT SIZE DISTRIBUTION	21	OBS		BOTTOM	
SIZE ANALYSIS	SEDIMENT	SETTLING/VISUAL	PERCENT SIZE DISTRIBUTION	21	OBS		BOTTOM	
SALINITY	WATER	CONDUCTIVITY	PERCENT PER	7	OBS		SURFACE	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
PARTICULATE MATTER	WATER	MEMBRANE FILTRATION	THOUSAND GRAMS PER LITER	22 OBS		SURFACE	
BATHYMETRY	WATER	UNCORRECTED SOUNDING DEPTH BASED ON 4800 FT/SEC	FEET	1 OBS			ON A LINE FROM LITTLE CREEK, VIRGINIA TO FISHERMANS ISLAND, VIRGINIA

001017

BOTTOM SEDIMENT SAMPLES FROM LOWER CHESAPEAKE BAY
DATA COLLECTED: JANUARY 1969 TO PRESENT

RECEIVED: JULY 13, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY MOUTH, VIRGINIA

ABSTRACT:
BOTTOM SEDIMENT SAMPLES FROM LOWER CHESAPEAKE BAY. 3 ABIOTIC PARAMETERS MEASURED.

DATA AVAILABILITY:
OLD DOMINION UNIVERSITY INSTITUTE OF OCEANOGRAPHY TECH REPORT NO 1 AND 2

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
380 STATIONS OCCUPIED ONCE

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN LUDWICK 703-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730776 730766 730775 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	380	STATIONS			
TIME	EARTH	STATION TIME	YMDL	380	STATIONS			
SIZE ANALYSIS	SEDIMENT	SIEVE	PERCENT SILT, CLAY, SAND, DIAMETER IN MM	380	OBS		BOTTOM	SHIPEK GRAB SAMPLES
BATHYMETRY	WATER	LEAD LINE	FEET	380	OBS			
CARBONATES	WATER	UNKNOWN	PERCENT	380	OBS		BOTTOM	ACID LEACHING METHOD

047

TIDAL CURRENTS AT MOUTH OF CHESAPEAKE BAY
DATA COLLECTED: OCTOBER 1971 TO PRESENT
RECEIVED: JULY 13, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY ENTRANCE, VIRGINIA

ABSTRACT:
TIDAL CURRENT SPEED AND DIRECTION AT THE ENTRANCE TO CHESAPEAKE BAY OBTAINED OVER 30 HOUR PERIODS. DATA REDUCED TO OBTAIN DEPTH PROFILES OF CURRENT PARAMETERS

DATA AVAILABILITY:
OLD DOMINION UNIV, INSTITUTE OF OCEANOGRAPHY TECH REPORTS NO 7, 2, 1

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
24 STATIONS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN LUDWICK 703-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730776 730775 730765 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	24	STATIONS			
TIME	EARTH	STATION TIME	YMDHL	24	STATIONS			OCCUPIED 1 FOR 30 HOURS
TIDAL CURRENT SPEED	WATER	IMPELLOR METER	FEET/SEC	48	STATIONS	READINGS OVER 30 HOUR PERIOD	SURFACE TO BOTTOM AT 11 DEPTHS	DATA ON CURRENT SPEED AND DIRECTION OBTAINED OVER 30 HOUR PERIOD REDUCED TO SYNOPTIC DEPTH PROFILES OF THE PARAMETER, BY KELVIN-

001019 TIDAL CURRENTS AT MOUTH OF CHESAPEAKE BAY (CONT.) PAGE 02

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TIDAL CURRENT DIRECTION	WATER	IMPELLOR METER	DEGREES	48	STATIONS	READINGS OVER 30 HOUR PERIOD	SURFACE TO BOTTOM AT 11 DEPTHS	HUGHES DIRECT READING CURRENT METER DATA ON CURRENT SPEED AND DIRECTION OBTAINED OVER 30 HOUR PERIOD REDUCED TO SYNOPTIC DEPTH PROFILES OF THE PARAMETER, BY KELVIN-HUGHES DIRECT READING CURRENT METER
DEPTH	WATER	WIRE LENGTH	FEET	48	STATIONS			
WIND SPEED	AIR	ANEMOMETER	MILES PER HOUR	48	STATIONS	OBSERVATIONS MADE HOURLY OVER 30 HOUR PERIOD		
WAVE AMPLITUDE	WATER	VISUAL	FEET	48	STATIONS	OBSERVATIONS MADE HOURLY OVER 30 HOUR PERIOD		

040

001020

ECHO SOUNDING RECORDS AT THE MOUTH OF THE CHESAPEAKE BAY
DATA COLLECTED: SEPTEMBER 1968 TO PRESENT

RECEIVED: JULY 13, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY MOUTH, VIRGINIA

ABSTRACT:
ECHO SOUNDING SURVEY TO MEASURE MIGRATION RATES OF SAND WAVES ON THE OCEAN FLOOR AT THE ENTRANCE TO CHESAPEAKE BAY.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
MAGNETIC TAPE ANALOG
27 ECHO SOUNDINGS RECORDED ON TAPES

FUNDING:

INVENTORY:

PUBLICATIONS:
MIGRATION OF TIDAL SAND WAVES IN CHESAPEAKE BAY ENTRANCE, SHELF SEDIMENT TRANSPORT, DOWDEN, HUTCHENSON AND ROSS INC 1972, OLD DOMINION UNIV, INSTITUTE OF OCEANOGRAPHY TECH MEMO NO. 1 AND 2

CONTACT:
JOHN LUDWICK 703-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730776 730766 730775 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	1 STATIONS			1 STATION 6 MILES LONG
TIME	EARTH	STATION TIME	YMDL	26 STATIONS			TO MEASURE MIGRATION RATES OF SAND WAVES ON THE OCEAN FLOOR AT THE ENTRANCE TO CHESAPEAKE BAY, EDD 578 PRECISION ECOSOUND
BATHYMETRY	WATER	UNCORRECTED SOUNDING DEPTH BASED ON 4800 FT/SEC	FEET	27 OBS			

001039

DATA REPORT OPERATION YORK RIVER, 1969
DATA COLLECTED: OCTOBER 1969 TO OCTOBER 1969

RECEIVED: JULY 20, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, YORK RIVER, MATTAPONI RIVER, PAMUNKEY RIVER

ABSTRACT:
INTENSIVE SAMPLING OF HYDROGRAPHIC PARAMETERS DURING A FIELD SURVEY CARRIED OUT IN OCTOBER 1969 TO GATHER FIELD DATA FROM THE MATTAPONI, PAMUNKEY AND YORK RIVERS IN ORDER TO CONSTRUCT MATHEMATICAL MODELS FOR SALINITY AND DISSOLVED OXYGEN

DATA AVAILABILITY:

PLATFORM TYPES:

ARCHIVE MEDIA:
REPORTS
270 PAGES

FUNDING:
SUPPORTED IN PART BY DIV OF WATER RESOURCES OF VA DEPT OF CONSERVATION AND DEVELOPMENT AND VA WATER CONTROL BOARD

INVENTORY:

PUBLICATIONS:
VIMS DATA REPORT NO 9 BY P V HYER, E P RUZECKI, C S FANG, DATA ALSO IN VIMS MASTER FILE

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMS	92	STATIONS			37 TRANSECTS
TIME	EARTH	SAMPLING TIME	YMDHML	2300	STATIONS			
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	15353	OBS	HOURLY OVER A 25 HOUR SAMPLING PERIOD	SURFACE TO BOTTOM AT 2 METER INTERVALS	
TEMPERATURE	WATER	THERMISTOR	DEG C	17500	OBS	HOURLY OVER A 25 HOUR SAMPLING PERIOD	SALINITY	
DISSOLVED OXYGEN GAS	WATER	TITRATION	MG PER LITER	5800	OBS	HOURLY OVER A 25 HOUR SAMPLING PERIOD	SALINITY	WINKLER
CURRENT	WATER	DIRECTION VANE	DEGREES	17500	OBS	HOURLY OVER A	SALINITY	

051

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DIRECTION			MAGNETIC			25 HOUR SAMPLING PERIOD		
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	METERS PER SECOND	17500	OBS	HOURLY OVER A 25 HOUR SAMPLING PERIOD	SALINITY	

001054

CHEMISTRY OF CHESAPEAKE BAY SEDIMENTS
DATA COLLECTED: JULY 1961 TO JUNE 1962

RECEIVED: JULY 20, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
CHEMICAL SURVEY OF THE SEDIMENTS IN CHESAPEAKE BAY COVERING THE RAPPAHANNOCK SHOAL AREA. ANALYSIS OF CORES TAKEN INCLUDE SEDIMENT SURFACE AND INTO THE SEDIMENT AT APPROX 10 CM INTERVALS

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
58 PAGES, 19 CORES ANALYZED, 11 PARAMETERS MEASURED

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS THESIS, D K YOUNG, 1962

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776 730775 730786 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	19	STATIONS			
TIME	EARTH	STATION TIME	YML	1	STATIONS			ONE SAMPLING PERIOD, JULY 1961
BATHYMETRY	WATER	LEAD LINE	METERS	19	OBS			
SIZE ANALYSIS	SEDIMENT	SETTLING/VISUAL	SAND, SILT OR CLAY, MEDIAN DIAMETER IN MM	19	OBS		BOTTOM	SEDIMENT CORES TAKEN WITH GRAVITY CORERS, DIA 1.5 AND 2 IN 7 STATIONS, AT VARIOUS DEPTHS FROM THE SEDIMENT TO SURFACE
PH	INTERSTITIAL	SPECIFIC ION ELECTRODE	UNITS	41	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ORGANIC CARBON	SEDIMENT	WET COMBUSTION/ INFRARED SPECTROMETRY	PERCENT BY WEIGHT	68	OBS			19 CORES, VARIOUS DEPTHS FROM SEDIMENT SURFACE
INORGANIC CARBON	SEDIMENT	WET COMBUSTION/ INFRARED SPECTROMETRY	PERCENT BY WEIGHT	68	OBS			19 CORES, VARIOUS DEPTHS FROM SEDIMENT SURFACE
PHOSPHORUS	SEDIMENT	SPECTROPHOTOMETRY	PERCENT BY WEIGHT	42	OBS			14 CORES, VARIOUS DEPTHS FROM THE SEDIMENT TO SURFACE
IRON	SEDIMENT	SPECTROPHOTOMETRY	PERCENT BY WEIGHT	42	OBS			14 CORES, VARIOUS DEPTHS FROM THE SEDIMENT TO SURFACE
SODIUM	SEDIMENT	FLAME SPECTROMETRY	PERCENT BY WEIGHT	42	OBS			14 CORES, VARIOUS DEPTHS FROM THE SEDIMENT TO SURFACE
POTASSIUM	SEDIMENT	FLAME SPECTROMETRY	PERCENT BY WEIGHT	42	OBS			14 CORES, VARIOUS DEPTHS FROM THE SEDIMENT TO SURFACE
CALCIUM	SEDIMENT	FLAME SPECTROMETRY	PERCENT BY WEIGHT	42	OBS			14 CORES, VARIOUS DEPTHS FROM THE SEDIMENT TO SURFACE
MAGNESIUM	SEDIMENT	FLAME SPECTROMETRY	PERCENT BY WEIGHT	42	OBS			14 CORES, VARIOUS DEPTHS FROM THE SEDIMENT TO SURFACE

001059 HYDROGRAPHIC DATA COLLECTION FOR " OPERATION JAMES RIVER-1964" PAGE 01
DATA COLLECTED: MAY 1964 TO OCTOBER 1964 RECEIVED: JULY 20, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, JAMES RIVER

ABSTRACT:
INTENSIVE SAMPLING OF HYDROGRAPHIC PARAMETERS OF THE JAMES RIVER, VA, 1964. DATA COLLECTED TO PROVIDE INFORMATION FOR VERIFICATION OF A HYDRAULIC MODEL OF THE JAMES RIVER BELOW THE FALL LINE AT RICHMOND AND FOR CALCULATION OF CIRCULATION DYNAMICS IN THE JAMES RIVER.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
155 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS DATA REPORT NO 5, 1967, J K SHIDLER AND W G MACINTYRE, DATA ALSO IN VIMS MASTER FILE

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMT	61	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHTL	103	STATIONS	HOURLY		103 STATIONS OCCUPIED DURING 14 CRUISES
TEMPERATURE	WATER	THERMISTOR	DEG C	16920	OBS	HOURLY	SURFACE TO BOTTOM AT APPROX 2 METER INTERVALS	103 STATIONS OCCUPIED DURING 14 CRUISES
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	16920	OBS	HOURLY	SURFACE TO BOTTOM AT APPROX 2 METER	103 STATIONS OCCUPIED DURING 14 CRUISES

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
BATHYMETRY	WATER	LEAD LINE	METERS	103	OBS		INTERVALS	
TEMPERATURE	AIR	MERCURY THERMOMETER	DEG C	4000	OBS	HOURLY		STEM THERMOMETER
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	METERS PER SECOND	16920	OBS	HOURLY	SURFACE TO BOTTOM AT APPROX 2 METER INTERVALS	OTHER METHODS INCLUDE DROGUES, FLOATS
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	16920	OBS	HOURLY	SURFACE TO BOTTOM AT APPROX 2 METER INTERVALS	OTHER METHODS INCLUDE DROGUES, FLOATS
WIND SPEED	AIR	ANEMOMETER	METERS PER SECOND	4000	OBS	HOURLY		
WIND DIRECTION	AIR	DIRECTION VANE	DEGREES MAGNETIC	4000	OBS	HOURLY		
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	METERS	4000	OBS			

001064

SALINITY-TEMPERATURE OBSERVATIONS OFF VIRGINIA BEACH, VIRGINIA
DATA COLLECTED: OCTOBER 1972 TO PRESENT

RECEIVED: JULY 31, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, VIRGINIA BEACH

ABSTRACT:
CURRENT EDDY AND SALINITY-TEMPERATURE STUDY OFF VIRGINIA BEACH, VIRGINIA ON DATA SHEETS AVAILABLE FROM OLD DOMINION UNIVERSITY. ON GOING STUDY STARTED OCTOBER 1972.
(STUDY OF CURRENT EDDY OFF VIRGINIA BEACH)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
10 STATIONS OCCUPIED: 20 SAMPLING EFFORTS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
RONALD JOHNSON 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	10	STATIONS			
TIME	EARTH	STATION TIME	YMDHL	20	STATIONS			
TEMPERATURE	WATER	THERMISTOR	DEG C	190	OBS	HOURLY	SURFACE	1 3 1/2 HOUR STATION, 1 15 HOUR STATION
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	190	OBS	HOURLY	SURFACE	1 3 1/2 HOUR STATION, 1 15 HOUR STATION
CURRENT DIRECTION	WATER	DRIFT DEVICE	DEGREES	250	OBS		SURFACE AND BOTTOM	1 3 1/2 HOUR STATION, 1 15 HOUR STATION
CURRENT SPEED	WATER	DRIFT DEVICE	KNOTS PER HOUR	250	OBS		SURFACE AND BOTTOM	1 3 1/2 HOUR STATION, 1 15 HOUR STATION

057

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT DIRECTION	WATER	DRIFT DEVICE	KNOTS PER HOUR	400 OBS	READING EVERY 1/2 HOUR	DRAG PLATES AT 20 FEET	RADAR TRACKED

001069

LONGSHORE CURRENTS OFF VIRGINIA BEACH, VIRGINIA
DATA COLLECTED: SEPTEMBER 1962 TO SEPTEMBER 1963

RECEIVED: JULY 31, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, VIRGINIA BEACH

ABSTRACT:
STUDY OF LONGSHORE CURRENTS OFF VIRGINIA BEACH, VIRGINIA AVAILABLE FROM OLD DOMINION UNIVERSITY DATA SHEETS

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
3 STATIONS; 72 OBSERVATIONS; FREQUENCY OF EVERY TWO WEEKS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PETER FLEISCHER 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

059

GRID LOCATOR (LAT):
730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	3	STATIONS			
TIME	EARTH	STATION TIME	YMDL	72	STATIONS	EVERY TWO WEEKS		
ALTITUDE	LAND	DIRECT	CENTIMETERS	72	OBS	EVERY TWO WEEKS		BEACH ELEVATION
CURRENT SPEED	WATER	DRIFT DEVICE	CENTIMETERS PER SECOND	72	OBS	EVERY TWO WEEKS	0-1 METER	SURF ZONE
CURRENT DIRECTION	WATER	DRIFT DEVICE	DEGREES	72	OBS	EVERY TWO WEEKS	0-1 METER	SURF ZONE
PARTICULATE MATTER	WATER	MEMBRANE FILTRATION	GRAMS PER LITER	288	OBS	EVERY TWO WEEKS	0-1 METER	SURF ZONE
WAVE AMPLITUDE	WATER	FIXED STAFF, VISUAL	FEET	72	OBS	EVERY TWO WEEKS		SURF ZONE
WAVE DIRECTION	WATER	VISUAL	DEGREES	72	OBS	EVERY TWO WEEKS		SURF ZONE

001071 GRAPHIC ANALYSIS OF CURRENT VELOCITY, SALINITY, DENSITY AND TEMPERATURE DURING PERIODS OF EBB AND FLOOD IN THE ENTRANCE TO THIMBLE SHOALS CHANNEL

DATA COLLECTED: JULY 1970 TO OCTOBER 1970 RECEIVED: JULY 31, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC. CHESAPEAKE BAY MOUTH, VIRGINIA

ABSTRACT:
SURVEY OF HYDROGRAPHIC PARAMETERS DURING PERIODS OF EBB AND FLOOD TIDE IN THE ENTRANCE TO THIMBLE SHOAL CHANNEL. DATA REDUCED TO SYNOPTIC INTERVALS OF TIME AND DEPTH

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS; PUNCHED CARDS
THREE STATIONS OCCUPIED FOR THREE 15 TO 30 HOUR SAMPLING PERIODS

FUNDING:

INVENTORY:

PUBLICATIONS:
ODU THESIS, S HECKER, 1971

CONTACT:
RONALD JOHNSON 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730766 730776 730775 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	3	STATIONS	15-30 HOURS EACH STATION		
TIME	EARTH	STATION TIME	YMDL	9	STATIONS	15-30 HOURS EACH STATION		
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	1620	OBS	15-30 HOURS EACH STATION	SURFACE TO BOTTOM AT 5 FOOT INTERVALS	DATA REDUCED TO SYNOPTIC TIME INTERVALS AND TIME DEPTHS
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	1620	OBS	15-30 HOURS EACH STATION	SURFACE TO BOTTOM AT 5 FOOT INTERVALS	DATA REDUCED TO SYNOPTIC TIME INTERVALS AND TIME DEPTHS
CURRENT SPEED	WATER	IMPELLOR METER	METERS PER	1620	OBS	15-30 HOURS	SURFACE TO	DATA REDUCED TO

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
			SECOND			EACH STATION	BOTTOM AT 5 FOOT INTERVALS	SYNOPTIC TIME INTERVALS AND TIME DEPTHS
CURRENT DIRECTION	WATER	IMPELLOR METER	DEGREES	1620	OBS	15-30 HOURS EACH STATION	SURFACE TO BOTTOM AT 5 FOOT INTERVALS	DATA REDUCED TO SYNOPTIC TIME INTERVALS AND TIME DEPTHS
DEPTH	WATER	UNCORRECTED SOUNDING DEPTH BASED ON 4800 FT/SEC	METERS	3	OBS			DATA REDUCED TO SYNOPTIC TIME INTERVALS AND TIME DEPTHS

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, LAFAYETTE RIVER

ABSTRACT:
STANDARD HYDROGRAPHIC SURVEY OF THE ELIZABETH RIVER, NORFOLK, VA. DATA REDUCED TO SYNOPTIC INTERVALS OF TIME AND DEPTH

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
SEVEN FIFTEEN HOUR SAMPLING PERIODS ELEVEN STATIONS

FUNDING:

INVENTORY:

PUBLICATIONS:
ODU THESIS, WHITE, 1972

CONTACT:
RONALD JOHNSON 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	11	STATIONS			
TIME	EARTH	STATION TIME	YMDL	77	STATIONS			
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	5775	OBS	HOURLY		SEVEN 15 HOURLY SAMPLING PERIODS, DATA REDUCED TO SYNOPTIC INTERVALS OF TIME AND DEPTH
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	5775	OBS	HOURLY		SEVEN 15 HOURLY SAMPLING PERIODS, DATA REDUCED TO SYNOPTIC INTERVALS OF

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	5775	OBS	HOURLY		TIME AND DEPTH SEVEN 15 HOURLY SAMPLING PERIODS, DATA REDUCED TO SYNOPTIC INTERVALS OF TIME AND DEPTH
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	METERS PER SECOND	5775	OBS	HOURLY		TIME AND DEPTH SEVEN 15 HOURLY SAMPLING PERIODS, DATA REDUCED TO SYNOPTIC INTERVALS OF TIME AND DEPTH
DEPTH	WATER	UNCORRECTED SOUNDING DEPTH BASED ON 4800 FT/SEC	METERS	5775	OBS	HOURLY		TIME AND DEPTH SEVEN 15 HOURLY SAMPLING PERIODS, DATA REDUCED TO SYNOPTIC INTERVALS OF TIME AND DEPTH

690

001079

SEDIMENT ANALYSIS OF LOWER CHESAPEAKE BAY
DATA COLLECTED: FEBRUARY 1972 TO PRESENT

RECEIVED: JULY 31, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
SIZE ANALYSIS OF BOTTOM SEDIMENTS COLLECTED FROM LOWER CHESAPEAKE BAY.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
120 SAMPLES PROCESSED

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PETER FLEISCHER 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730776 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	120	STATIONS			
TIME	EARTH	STATION TIME	YMDL	1	STATIONS			
SIZE ANALYSIS	SEDIMENT	SIEVE	SIEVE	120	OBS		BOTTOM	SHIPEK GRAB SAMPLER 1/2 LITER

001076

BEACH EROSION STUDY AT VIRGINIA BEACH, VIRGINIA
DATA COLLECTED: MARCH 1973 TO PRESENT

RECEIVED: JULY 31, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, VIRGINIA BEACH

ABSTRACT:
SURVEY OF BEACH EROSION AND BEACH EROSIONAL FACTORS ALONG VIRGINIA BEACH, VA. STUDY INCLUDES SCUBA DIVING OPERATIONS FOR OBSERVING BEACH EROSION CONTROL STRUCTURES
(JUNE 1974 STUDY INCLUDES SOME DIVING OPERATIONS IN OBSERVING BEACH EROSION CONTROL STRUCTURES)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
31 STATIONS SAMPLED MONTHLY

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN LUDWICK 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

590

GRID LOCATOR (LAT):
730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	31	STATIONS			
TIME	EARTH	STATION TIME	YMDL	155	STATIONS	MONTHLY		
WAVE AMPLITUDE	WATER	FIXED STAFF, VISUAL	FEET	200	OBS	TWICE WEEKLY		5 STATIONS
WAVE PERIOD	WATER	VISUAL	SECONDS	200	OBS			5 STATIONS
WAVE DIRECTION	WATER	VISUAL	DEGREES	40	OBS	TWICE WEEKLY		
CURRENT DIRECTION	WATER	DRIFT DEVICE	DEGREES	200	OBS	TWICE WEEKLY	0-1 FOOT	SURF ZONE
CURRENT SPEED	WATER	DRIFT DEVICE	FEET PER SECOND	200	OBS	TWICE WEEKLY	0-1 FOOT	SURF ZONE
SIZE ANALYSIS	SEDIMENT	SETTLING/VISUAL	PERCENT SIZE COMPOSITION	36	OBS	EVERY 2 MONTHS		SURF ZONE
BEACH WIDTH	LAND	DIRECT	FEET	155	OBS	MONTHLY		MIDTIDE TO BULKHEAD

DYNAMIC BASIN CHARACTERISTICS STUDY-SOWBRIDGE RIVER, DELAWARE AND BEAVER DAM RIVER, MARYLAND

DATA COLLECTED: NOVEMBER 1972 TO NOVEMBER 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, BEAVER DAM BRANCH, DELAWARE, SOWBRIDGE BRANCH

ABSTRACT:
MISSION W180, FLT. 1, WITH WALLOPS STA. C-54 AIRCRAFT EQUIPPED WITH T-11 AND AN I2S CAMERA SYSTEM ON NOV 16, 1972, IN COOPERATION WITH THE GEOLOGICAL SURVEY OF THE DEPT OF INTERIOR. THE FLIGHT MADE OVER SOWBRIDGE AND BEVER DAM RIVERS IN DEL. AND MD. OBJECTIVE - TO EXPOSE ANY DYNAMIC BASIN CHARACTERISTIC CHANGES THAT HAVE TAKEN PLACE SINCE THE LAST PHOTO MISSION OF OCT. 25, 1972. GOOD WEATHER WITH THIN OVERCAST, VISIBILITY 5-6 MILES, AIR TEMP. 8 DEG C AT 5000 FT. AND 2 DEG C AT 10,000 FT.. MSL WIND OF 20 KNOTS FROM 138 DEG.
(MISSION NO W180, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
204 9 X 9 FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								6 FLIGHT LINES
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	204	OBS		164 AT 5000 FT, 40 AT 10000 FT	6 INCH FOCAL LENGTH

WACHAPREAGUE MARSH INVESTIGATIONS
DATA COLLECTED: NOVEMBER 1972 TO NOVEMBER 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE

ABSTRACT:
MISSION 181, FLT. 1, WITH WALLOPS STA. C-54 AIRCRAFT EQUIPPED WITH I2S AND T-11 CAMERA ON NOV. 20, 1972, IN COOPERATION WITH VA. INST. OF MARINE SCI. AT WACHAPREAGUE MARSHES. OBJECTIVE - OBTAIN PHOTOGRAPHIC IMAGERY SUITABLE FOR MAPPING MARSH VEGETATION ENCLOSED BY WACHAPREAGUE CHANNEL AND BURTON'S BAY. I2S IMAGERY WAS OBTAINED FOR MARSH VEGETATIVE STUDIES. CLEAR WEATHER, VISIBILITY FROM 12-15 MILES, AIR TEMP. -2 DEG. C AT 5,000 FT., MSL WIND OF 20 KNOTS FROM 330 DEG.
(MISSION NO W181, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
581 9 X 9 INCH FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			7 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	7	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	593	OBS		577 AT 5000 FT, 16 AT 1000 FT	6 INCH FOCAL LENGTH

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, PENNSYLVANIA, CONOWINGO DAM

ABSTRACT:
MISSION W183, FLIGHT 1, JANUARY 3, 1973, UTILIZING THE WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AND AN I2S CAMERA SYSTEM IN COOPERATION WITH PENN STATE UNIV; THE FLIGHT WAS TO PROVIDE REMOTE SENSING IMAGERY TO BE USED IN CONJUNCTION WITH ERTS OVERFLIGHTS IN DEVELOPING INTERPRETATION TECHNIQUES AND PROCEDURES FOR REGIONAL RESOURCES MANAGEMENT STUDIES. CLEAR WEATHER, VISIBILITY FROM 8 TO 10 MILES. AIR TEMPERATURE WAS -3 DEG. C AT 12,500 FT. MSL, WIND OF 30 KNOTS FROM NORTH - NORTHEAST.
(MISSION NO W183, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
129 9 X 9 FRAMES; 255 2.7 X 2.7 INCH FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
740707 740706 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	384	OBS		197 AT 12500 FT, 187 AT 7500 FT	100 MM AND 152 MM FOCAL LENGTH

001151

LAND FILL AND EUTROPHICATION STUDIES
DATA COLLECTED: JANUARY 1973 TO JANUARY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, POTOMAC RIVER

ABSTRACT:
MISSION W185, FI. 1, JAN. 26, 1973, WITH WALLOPS STA. C-54 AIRCRAFT EQUIPPED WIT-I ONE T-11 AND 4 HASSELBLAD CAMERAS IN COOPERATION WITH NASA, LANGLEY RES. CTR. AND THE EPA. THE OBJECTIVE - INVESTIGATE THE USE OF REMOTE SENSING AS APPLIED TO LAND FILL AND EUTROPHICATION STUDIES IN THE WOODBRIDGE AND POTOMAC RIVER AREAS. CLEAR WEATHER, VISIBILITY 4-10 MILES, AIR TEMP. 9 DEG. C AT 10,000 FT. AND 14 DEG. C AT 4500 FT., MSL WIND OF 20 KNOTS FROM 300 DEG.
(MISSION NO W185, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
71 9 X 9 INCH FRAMES; 296 70 MM FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730796 730786 730787

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			10 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	10	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	367	OBS		103 AT 10000 FT, 264 AT 4500 FT	40 MM AND 152 MM FOCAL LENGTH

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, NORTH CAROLINA

ABSTRACT:
MISSION W187, F1I, 1, FEB. 13, 1973, WITH WALLOPS STA. C-54 AIRCRAFT EQUIPPED WITH 2 T-11 AERIAL MAPPING CAMERAS AND A K-17 MOUNTED IN A 45 DEG. ATTITUDE FOR OBLIQUE COVERAGE. THE MISSION IN COOPERATION WITH COASTAL RES. CTR. OF CORPS OF ENGIN. OBJECTIVE - TO OBTAIN LARGE SCALE VERTICAL AND OBLIQUE IMAGERY OF STORM DAMAGE INCURRED BY A WINTER STORM STRIKING ACROSS COAST BETWEEN NORFOLK AND NORTH/SOUTH CAROLINA BORDER. IMAGERY RECORDED EXTENSIVE BEACH EROSION WHICH RESULTED IN SERIOUS PROPERTY DAMAGE TO PIERS, HOUSES AND MOTELS. CLEAR WEATHER, GOOD VISIBILITY, AIR TEMP. 5 DEG. C FROM 6500 FT., MSL WIND OF 15 KNOTS FROM 250 DEG.
(MISSION NO W187, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
605 9 X 9 INCH FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730765 730745 730746 730736 730737 730727 730728

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			7 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	7 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	605 OBS		6500 FT	152 MM AND 306 MM FOCAL LENGTH

001153

MOVEMENT OF SUSPENDED PARTICULATE AND SOLUBLE CONCENTRATIONS WITHIN THE CHESAPEAKE BAY RIVER SYSTEMS
DATA COLLECTED: FEBRUARY 1973 TO FEBRUARY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA YORK RIVER, RAPPAHANNOCK RIVER, WICOMICO RIVER, CHOPTANK RIVER, ELK RIVER TO DELAWARE RIVER

ABSTRACT:
MISSION W190, F1. 1, FEB. 28, 1973, WITH WALLOPS STA. C-54 AIRCRAFT EQUIPPED WITH I2S AND T-11 AERIAL MAPPING CAMERA SYSTEMS IN COOPERATION WITH U S ARMY ENGINEER WATERWAYS STA. FLIGHT COVERED PORTIONS OF THE RAPPAHANNOCK, YORK, CHOPTANK, WICOMICO, AND ELK RIVERS AND THE CHESAPEAKE AND DELAWARE CANAL. OBJECTIVE - TO OBTAIN WINTER IMAGERY OF THESE RIVERS FOR MONITORING THE INFLOW OF SUSPENDED PARTICLES AND DIFFERENTIATE MAGNITUDES OF SOLUTE CONCENTRATIONS.
(MISSION NO W190, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
74 9 X 9 INCH FRAMES; 169 2.7 X 2.7 INCH FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730795 730786 730785 730776 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS			9 FLIGHT LINES
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	243	OBS			100 MM AND 152 MM FOCAL LENGTH

071

001155

WATER POLLUTION STUDIES ON THE POTOMAC, SEVERN, AND SOUTH RIVERS
DATA COLLECTED: MARCH 1973 TO MARCH 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND POTOMAC RIVER, SOUTH RIVER, CAMBRIDGE-SECRETARY, PITTSVILLE-SALISBURY, SEVERN RIVER

ABSTRACT:
MISSION W196, FLT. 1, MARCH 19, 1973, WITH WALLOPS STA. C-54 AIRCRAFT EQUIPPED WITH 3 HASSELBLAD CAMERAS AND AAD-2 IR SCANNER IN COOPERATION WITH NASA'S LANGLEY RES. CTR. FOR THE EPA. OBJECTIVE - IMAGE WATER POLLUTION AND POLLUTION OUTFALLS ON POTOMAC, SEVERN AND SOUTH RIVERS. LAND FILLS WERE IMAGED OVER THE MARYLAND TOWNS OF SALISBURY, PITTSVILLE, SECRETARY, AND BLACKWATER. WEATHER OF BROKEN CLOUDS, VISIBILITY UP TO 7 MILES, AIR TEMP. 1 DEG. C AT 1000 FT., MSL WIND OF 30-40 KNOTS FROM 300 DEG. (MISSION NO W196, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
198 70 MM FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730796 730786 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			11 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	11	STATIONS			
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	99	OBS		1000 FT	AAD-2 SCANNER 20.1 MM FOCAL LENGTH
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	99	OBS		1000 FT	40 MM FOCAL LENGTH

001156 THERMAL AND WATER POLLUTION STUDIES OF POWER AND INDUSTRIAL PLANTS ON THE JAMES AND YORK RIVERS

DATA COLLECTED: MARCH 1973 TO MARCH 1973 RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, RAPPAHANNOCK RIVER, HOG ISLAND, YORK RIVER

ABSTRACT:
MISSION W197, FLT. 1, MARCH 23, 1973, UTILIZING THE WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH AN AAD-2 IR SCANNER, A PRT-5 RADIOMETER AND 4 HASSELBLAD CAMERAS. MISSION FLOWN FOR NASA, LANGLEY RESEARCH CTR. AND ENVIRONMENTAL PROTECTION AGENCY. OBJECTIVE - OBTAIN PHOTOGRAPHIC AND THERMAL INFRARED IMAGERY OF POWER PLANT AND INDUSTRIAL INSTALLATION PLUMES ON JAMES AND YORK RIVERS AND SEWAGE OUTFALLS ALONG BANKS OF RAPPAHANNOCK ESTUARY. GOOD WEATHER, VISIBILITY UP TO 8 MILES. AIR TEMP. 5 DEG. C AT 10,500 FT. MSL WIND OF 35 KNOTS FROM 350 DEG.
(MISSION NO W197, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
312 70 MM FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730776 730786 730787

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS			
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	312	OBS		144 AT 10500 FT, 16 AT 8500 FT, 64 AT 6500 FT, 88 AT 1000 FT	40 MM FOCAL LENGTH
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	312	OBS		144 AT 10500 FT, 16 AT	40 MM FOCAL LENGTH PRT 5

073

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
						8500 FT, 64 AT 6500 FT, 88 AT 1000 FT	RADIOMETER
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	312 OBS		144 AT 10500 FT, 16 AT 8500 FT, 64 AT 6500 FT, 88 AT 1000 FT	20.1 MM FOCAL LENGTH AAD-2 SCANNER

001157

THERMAL AND WATER POLLUTION STUDIES OF POWER AND INDUSTRIAL PLANTS ON THE JAMES AND YORK RIVERS

DATA COLLECTED: MARCH 1973 TO MARCH 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, GLOUCESTER POINT, HOG ISLAND

ABSTRACT:
MISSION W197, FLT. 2, MARCH 23, 1973, WITH WALLOPS STA. C-54 EQUIPPED WITH AAD-2 THERMAL IR SCANNER, PRT-5 RADIOMETER, 4 HASSELBLAD CAMERAS. MISSION FOR NASA, LANGLEY RES. CTR AND EPA. OBJECTIVE - OBTAIN PHOTOGRAPHIC AND THERMAL INFRARED IMAGERY OF YORK RIVER BELOW U S HIGHWAY 17 BRIDGE AT YORKTOWN AND JAMES RIVER IN THE VICINITY OF THE THERMAL DISCHARGE FROM THE HOG ISLAND NUCLEAR POWER PLANT. CLEAR WEATHER, VISIBILITY 8-10 MILES. AIR TEMP. 10 DEG.-5 DEG. C AT 3000 FT. MSL WIND 30 KNOTS FROM 350 DEG.
(MISSION NO W197, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
31 70 MM FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			4 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	4	STATIONS			
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	31	OBS		13 AT 3000 FT, 6 AT 5000 FT, 6 AT 7000 FT, 6 AT 10000 FT	20.1 MM FOCAL LENGTH IR SCANNER
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	31	OBS		13 AT 3000 FT, 6 AT	40 MM FOCAL LENGTH

075

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
						5000 FT, 6 AT 7000 FT, 6 AT 10000 FT	

001158

WACHAPREAGUE INLET TIDAL DYNAMICS
DATA COLLECTED: APRIL 1973 TO APRIL 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE

ABSTRACT:
MISSION W198, FLIGHT 1, APRIL 6, 1973, UTILIZING THE WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA AND A THERMAL IR SCANNER IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO DETERMINE THE SURFACE WATERFLOW PATTERNS AT WACHAPREAGUE INLET DURING THE EBB TIDE CYCLE. DROGUE BOUYS WERE EMPLOYED AS LAGRANGIAN MARKERS TO CHART THE TIDAL FLOW. CLEAR WEATHER, VISIBILITY FROM 10-12 MILES. AIR TEMPERATURE WAS 10 DEG. C AT 4000 FT. MSL, WIND OF 20 KNOTS FROM 285 DEG.
(MISSION NO W198, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
62 9 X 9 INCH FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			7 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	7	STATIONS			
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	62	OBS		4000 FT	20.1 MM FOCAL LENGTH IR SCANNER
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	62	OBS		4000 FT	152 MM FOCAL LENGTH

077

BASE LINE DATA OF THE WALLOPS ISLAND LITTORAL REGIME
DATA COLLECTED: APRIL 1973 TO APRIL 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WALLOPS ISLAND

ABSTRACT:
MISSION W198, FLIGHT 2, APRIL 6, 1973, UTILIZING THE WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA AND A THERMAL IR SCANNER FOR THE CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN UPDATED BASE LINE INFORMATION OF BEACH CONDITIONS ON WALLOPS ISLAND. CLEAR WEATHER, VISIBILITY FROM 10-20 MILES. AIR TEMPERATURE WAS 8 DEG. C AT 5000 FT. MSL, WIND OF 20 KNOTS FROM 280 DEG.
(MISSION NO W198, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
18 9 X 9 INCH FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	2	STATIONS			2 FLIGHT LINES
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	18	OBS		5000 FT	20.1 MM FOCAL LENGTH IR SCANNER
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	18	OBS		5000 FT	152 MM FOCAL LENGTH

001160

WACHAPREAGUE INLET TIDAL DYNAMICS
DATA COLLECTED: APRIL 1973 TO APRIL 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE

ABSTRACT:
MISSION W198, F1. 3, APRIL 6, 1973, UTILIZING THE WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA AND A THERMAL IR SCANNER IN COOPERATION WITH THE VA. INST. OF MARINE SCI. OBJECTIVE - CONTINUATION OF THE WATERFLOW PATTERN STUDY BEGUN WITH MISSION 198, FL. 1, APRIL 6, 1973. CLEAR WEATHER, VISIBILITY 10-12 MILES, AIR TEMP. 10 DEG. C AT 4,000 FT. MSL WIND OF 20 KNOTS FROM 285 DEG.
(MISSION NO W198, FLT 3)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
51 9 X 9 INCH FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS			
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	51	OBS		4000 FT	20.1 MM FOCAL LENGTH IR SCANNER
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	51	OBS		4000 FT	152 MM FOCAL LENGTH

DATA COLLECTED: JUNE 1972 TO PRESENT RECEIVED: AUGUST 08, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA, LYNNHAVEN BAY, ELIZABETH RIVER

ABSTRACT:
SURVEY OF HYDROGRAPHIC AND BIOLOGICAL PARAMETERS OF LOWER CHESAPEAKE BAY, LYNNHAVEN BAY AND ELIZABETH RIVER, VA. DATA COLLECTED IN CONJUNCTION WITH CONTRACT WORK FOR CONTRACTORS AND LAND DEVELOPERS

DATA AVAILABILITY:
ON APPROVAL FROM CONTRACTOR

PLATFORM TYPES:

ARCHIVE MEDIA:
DATA SHEETS
200 STATIONS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL KIRK 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730776 730775 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	200 STATIONS			
TIME	EARTH	STATION TIME	YMDL	200 STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF INDIVIDUALS PER SPECIES	200 OBS			MARSH PLANTS
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF INDIVIDUALS PER SPECIES	200 OBS			
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER ACRE	200 OBS			
COUNT OF BENTHIC	BOTTOM	VISUAL	NUMBER PER ACRE	200 OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
BIOMASS OF ANIMALS	LAND	DRY WEIGHT	POUNDS PER ACRE	200	OBS			
BIOMASS OF BENTHIC PLANTS	BOTTOM	DRY WEIGHT	POUNDS PER ACRE	200	OBS			
BIOMASS OF BENTHIC ANIMALS								
SALINITY	WATER	HYDROMETER	PARTS PER THOUSAND	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
DISSOLVED OXYGEN GAS	WATER	TITRATION	MILLIGRAMS PER LITER	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
PH	WATER	SPECIFIC ION ELECTRODE	PH UNITS	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
COUNT OF MICROBIOTA	WATER	VISUAL	CULTURE GROWTH (MPN)	14	OBS		SURFACE AND BOTTOM	COLIFORM, LYNNHAVEN AREA
ORTHOPHOSPHATE	WATER	SPECTROPHOTOMETRY	MILLIGRAMS PER LITER	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
NITRATE	WATER	SPECTROPHOTOMETRY	MILLIGRAMS PER LITER	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	FEET	14	OBS			LYNNHAVEN AREA
SIZE ANALYSIS	SEDIMENT	SIEVE	PERCENT COMPOSITION	7	OBS		BOTTOM	LYNNHAVEN AREA

INVESTIGATIONS OF MARYLANDS TIDAL SHORELINES OF THE CHESAPEAKE BAY AND THE ATLANTIC OCEAN

DATA COLLECTED: OCTOBER 1972 TO OCTOBER 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND

ABSTRACT:
MISSION W174, FLIGHT 1, OCTOBER 20, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA AND A I2S FOUR-CHANNEL CAMERA IN COOPERATION WITH MD. GEOLOGICAL SURVEY THROUGHOUT A LARGE PORTION OF CHESAPEAKE BAY, MD. REGION. OBJECTIVE - TO ACQUIRE AIRBORN MULTI-CHANNEL BALCK & WHITE AND FALSE COLOR IMAGERY FOR INVESTIGATION OF MD. TIDAL SHORELINES TO SUPPORT ERTS INVESTIGATIONS. WEATHER - CLEAR. VISIBILITY 10-12 MILES, AIR TEMP. 10 DEG. C AT 10,500 FT., MSL WITH A WIND OF 05 KNOTS FROM 320 DEG.
(MISSION NO W174, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
252 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730736 730786 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			12 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	12	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	252	OBS		10500 FT	6 INCH FOCAL LENGTH; MULTI-BAND CAMERA 100 MM FOCAL LENGTH

001197 DYNAMIC RIVER BASIN CHARACTERISTICS STUDY-SOWBRIDGE RIVER, DELAWARE AND BEAVER DAM RIVER, MARYLAND

DATA COLLECTED: APRIL 1973 TO APRIL 1973 RECEIVED: JANUARY 01, 1976

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, MARYLAND, EASTON, DELAWARE, ELLENDALE

ABSTRACT:
MISSION W192, FLIGHT 1, APRIL 9, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S CAMERA SYSTEM IN COOPERATION WITH WATER RESOURCES DIV. OF U. S. GEOLOGICAL SURVEY. OBJECTIAL SCANNER WAVE-LENGTH BANDS OF VEGETATION AND DRAINAGE CHARACTERISTICS OF SOWBRIDGE AND BEAVERDAM RIVER BASINS DURING EARLY SPRING. WEATHER - HAZY WITH LOW AND HIGH SCATTERED CLOUDS, AIR TEMP. 2 DEG. C AT 9500 FT., MSL WITH WIND OF 12 KNOTS FROM 090 DEG.
(MISSION NO W192, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
130 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730785 730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS			7 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	7	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	130	OBS		40 OBS AT 9500 FT, 90 OBS AT 5500 FT	100 MM AND 152 MM FOCAL LENGTH

083

001196

POCOMOKE RIVER BASIN STUDY
DATA COLLECTED: APRIL 1973 TO APRIL 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, POCOMOKE SOUND AND RIVER

ABSTRACT:
MISSION W192, FLIGHT 2, APRIL 9, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND AN I2S CAMERA SYSTEM IN COOPERATION WITH MD. DEPT OF CHESAPEAKE BAY AFFAIRS. OBJECTIVE - TO OBTAIN MULTI-BAND IMAGERY OF POCOMOKE RIVER WETLANDS FOR USE IN ANALYZING WETLAND VEGETATION. WEATHER - HAZY WITH LOW AND HIGH BROKEN CLOUDS, AIR TEMP. 2 DEG. C AT 9500 FT., MSL WITH WIND OF 12 KNOTS FROM 090 DEG.
(MISSION NO W192, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
128 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			2 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	2	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	128	OBS		92 OBS AT 9500 FT, 36 OBS AT 5500 FT	100 MM AND 152 MM FOCAL LENGTH, MULTI-BAND IMAGERY

001196

BARRIER ISLAND STUDIES OF NORTH CAROLINA
DATA COLLECTED: MAY 1973 TO MAY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, NORTH CAROLINIA OUTER BANKS

ABSTRACT:
MISSION W195, FLIGHT 1, MAY 11, 1973, WITH WALLOPS STATION C-54 AIRCRAFT WITH A T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH UNIV. OF VA. AND U. S. PARK SERVICE. FLIGHT A CONTINUATION OF A PROGRAM OF MISSIONS DESIGNED TO ILLUSTRATE CHANGING CHARACTERISTICS OF BARRIER ISLANDS DUE TO WAVE AND WIND ACTIONS FROM NEAR SHORE CURRENTS AND STORMS.
(MISSION NO W195, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
254 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730765 730755

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			5 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	5	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	254	OBS		9500 FT	152 MM FOCAL LENGTH

085

001201

MOVEMENT OF SUSPENDED AND SOLUTE CONCENTRATIONS WITHIN THE CHESAPEAKE BAY RIVER SYSTEMS

DATA COLLECTED: MAY 1973 TO MAY 1973

PROJECTS:

RECEIVED: JANUARY 01, 1976

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, DELAWARE CANAL, CHOPTANK RIVER, WICOMICO RIVER, RAPPAHANNOCK RIVER, YORK RIVER

ABSTRACT:
MISSION W203, FLIGHT 1, MAY 16, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S AERIAL CAMERA SYSTEM. FLIGHT MADE FOR U. S. ARMY ENGINEERS WATERWAYS EXPERIMENT STATION AS AN ERTS UNDERFLIGHT MISSION. OBJECTIVE-TO PROVIDE REMOTE SENSOR IMAGERY OF CHESAPEAKE BAY RIVERS IN SAME SPECTRAL BANDS FROM THE AIRCRAFT'S I2S CAMERA AS THAT OF MULTI-SPECTRAL SCANNER ON ERTS SATELLITE.
(MISSION NO W203, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
373 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730795 730786 730785 730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	6	STATIONS			10 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	10	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	373	OBS		10000 FT	100MM AND 152 MM FOCAL LENGTH

001205 DYNAMIC RIVER BASIN CHARACTERISTICS STUDY-SOWBRIDGE RIVERS, DELAWARE AND BEAVER DAM RIVER, MARYLAND PAGE 01

DATA COLLECTED: MAY 1973 TO MAY 1973 RECEIVED: JANUARY 01, 1976

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, MARYLAND, EASTON, DELAWARE ELLENDALE

ABSTRACT:
MISSION W208, FLI. 1, MAY 7, 1973, WITH WALLOPS STATION HELICOPTER EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S CAMERA SYSTEM IN COOPERATION WITH WATER RES. DIV. OF U. S. GEOLOGICAL SURVEY. OBJECTIVE - TO OBTAIN IMAGERY OF EMERGENT LEAF AND PLANT ACTIVITY IN SOWBRIDGE AND BEAVER DAM RIVER BASINS. WEATHER - CLEAR, WITH MOD. HAZE, AIR TEMP. -3 DEG. AT 5500 FT., MSL WITH WIND AT 15 KNOTS FROM 33 DEG.
(MISSION NO W208, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
66 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730785 730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS			6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	66	OBS		50 OBS AT 5500 FT, 16 OBS AT 9500 FT	100 MM AND 152 MM FOCAL LENGTH

080

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, POCOMOKE RIVER

ABSTRACT:
MISSION W208, FLI. 2, MAY 16, 1973, WITH WALLOPS STATION HELICOPTER EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S CAMERA SYSTEM IN COOPERATION WITH U. S. GEOLOGICAL SURVEY. OBJECTIVE - TO OBTAIN REMOTE SENSING IMAGERY OF POCOMOKE RIVER AND ADJACENT LOWLAND FOR IDENTIFICATION OF WETLAND VEGETATION ALONG RIVER.
(MISSION NO W208, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
202 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			2 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	2	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	202	OBS		56 OBS AT 9500 FT, 146 OBS AT 6500 FT	100 MM AND 152 MM FOCAL LENGTH, REMOTE SENSING

001207

LYNNHAVEN BAY VEGETATION STUDY
DATA COLLECTED: MAY 1973 TO MAY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, LYNNHAVEN ROADS

ABSTRACT:
MISSION W209, FLI. 1, MAY 18, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS, IN COOPERATION WITH OLD DOMINION UNIV. OBJECTIVE - OBTAIN LARGE SCALE IMAGERY OF LYNNHAVEN BAY AREA FOR USE IN MAKING ANALYSIS OF VEGETATIVE DISTRIBUTION USED IN DELINEATING AERIAL EXTENT OF SPECIES. WEATHER - CLOUDY.
(MISSION NO W209, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
197 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			8 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	8	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	197	OBS		3100 FT	152 MM FOCAL LENGTH

080

001215

GEOLOGICAL INVESTIGATIONS OF MARYLAND'S ATLANTIC OCEAN AND CHESAPEAKE BAY SHORELINES, GEOLOGICAL SURVEY BRANCH OF THE MARYLAND DEPARTMENT OF NATURAL RESOURCES

DATA COLLECTED: MAY 1973 TO MAY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, POTOMAC RIVER, LITTLE ASSAWOMAN BAY TO CHINCOTEAGUE BAY

ABSTRACT:
MISSION W214, FLT. 1, MAY 17, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S CAMERA SYSTEM IN COOPERATION WITH GEOLOGICAL SURVEY BRANCH OF MD. DEPT. OF NATURAL RESOURCES. OBJECTIVE - TO OBTAIN REMOTE SENSING IMAGERY IN WAVE LENGTH BANDS OF THE MULTI-SPECTRAL SCANNER ABOARD THE ERTS SATELLITE. IMAGERY WILL BE USED AS "GROUND TRUTH" FOR INTERPRETING ERTS IMAGERY WITH RESPECT TO GEOLOGIC AND WATER RESOURCES DATA. WEATHER - CLOUDY WITH VISIBILITY 3-5 MILES, AIR TEMP. 2 DEG. C AT 9500 FT., MSL WITH A WIND OF 17 KNOTS FROM 230 DEG.
(MISSION NO W214, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
534 2.7" AND 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730796 730786 730787 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			11 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	11	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	534	OBS		9500 FT	100 MM AND 152 MM FOCAL LENGTH

001219

DELAWARE WETLANDS, COASTAL, AND MARINE STUDIES, COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE

DATA COLLECTED: JULY 1973 TO JULY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY

ABSTRACT:
MISSION W218, FLI. 1, JULY 7, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND AN I2S CAMERA SYSTEM IN COOPERATION WITH COLLEGE OF MARINE STUDIES OF UNIV. OF DEL. OBJECTIVE - TO OBTAIN INTERMEDIATE ALTITUDE IMAGERY OF DEL. COASTLINE OF DEL. BAY AND TRANSECTS OF BAY AT COHANSEY RIVER-BOMBAY HOOK AND AT CAPE MAY-CAPE HENLOPEN. FLIGHT MADE TO COINCIDE WITH ERTS OVERPASS AND IN SUPPORT OF GROUND TRUTH TEAMS TAKING WATER SAMPLES FROM NASA WALLOPS HELICOPTER AND UNIV. OF DEL. POWER BOATS. WEATHER - HAZY, AIR TEMP. 6 DEG. C AT 11,500 FT, MSL WITH WIND OF 14 KNOTS FROM 300 DEG. (MISSION NO W218, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
300 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

160

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730795 730785 730784 730794

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			4 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	4	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	300	OBS		11500 FT	100 MM AND 152 MM FOCAL LENGTH

001220

MOVEMENT OF SUSPENDED PARTICULATE AND SOLUTE CONCENTRATIONS WITHIN THE CHESAPEAKE BAY AND ITS MAJOR TRIBUTARIES
DATA COLLECTED: JUNE 1973 TO JUNE 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, DELAWARE CANAL, CHOPTANK RIVER, WICOMICO RIVER, RAPPAHANNOCK RIVER, YORK RIVER

ABSTRACT:
MISSION W220, FLI. 1, JUNE 11, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND 12S CAMERA SYSTEM IN COOPERATION WITH WATERWAYS EXPERIMENT STATION OF THE CORPS OF ENGINEERS. OBJECTIVE - TO OBTAIN MULTI-BAND IMAGERY OF THE MAJOR RIVERS EMPTYING INTO CHESAPEAKE BAY. IMAGERY WILL BE USED IN DELINEATING AREAS OF HIGH PARTICULATE AND SOLUTE CONCENTRATIONS. WEATHER - HAZY WITH A FEW SCATTERED CLOUDS. VISIBILITY UP TO 5 MILES, AIR TEMP. 10 DEG. C AT 10,000 FT., MSL WITH WIND OF 21 KNOTS FROM 320 DEG.
(MISSION NO W220, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
266 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730795 730786 730785 730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	5	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	11	STATIONS			11 FLIGHT LINES
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	266	OBS		10500 FT	152 MM AND 100 MM FOCAL LENGTH MULTI-BAND IMAGERY

001251

VIMS-WACHAPREAGUE TIDAL MARSHES
DATA COLLECTED: AUGUST 1972 TO AUGUST 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE

ABSTRACT:
MISSION W152, FLT. 1 WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON AUG. 8, 1972, IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. (VIMS). OBJECTIVE - TO USE BLACK & WHITE IMAGERY IN THE RED AND NEAR INFRARED SPECTRAL REGIONS TO INVESTIGATE BOUNDARIES OF SALT WATER TIDAL MARSHES AND FLATS. FLIGHT MADE IN FAIR WEATHER WITH SLIGHT HAZE, AIR TEMP. 16 DEG. C AT 5000 FT., MSL WIND OF 5 KNOTS FROM 272 DEG.
(MISSION NO W152, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
86 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			1 FLIGHT LINE
TIME	EARTH	SAMPLING TIME	YMDHML	1	STATIONS			
PHOTOGRAPH	EARTH	BLACK AND WHITE CAMERA FROM AIRCRAFT	PHOTOGRAPHS	86	OBS		5000 FT	6 INCH FOCAL LENGTH

001252

EFFECTS OF TROPICAL STORM AGNES ON THE CHESAPEAKE BAY
DATA COLLECTED: JULY 1972 TO AUGUST 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
MISSION W153, FLT. 1, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON AUG. 1, 1972, IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. IN TANGIER ISLAND, VA. REGION OF CHESAPEAKE BAY. OBJECTIVE - TO ACQUIRE AIRBORN NATURAL COLOR AND BLACK & WHITE IMAGERY TO INVESTIGATE SEDIMENTATION IN CHESAPEAKE BAY AS RESULT OF TROPICAL STORM "AGNES". FLIGHT IN FAIR WEATHER, NO OVERCAST, CONSIDERABLE HAZE, AIR TEMP. 10 DEG. C AT 10000 FT., MSL WITH VARIABLE WIND SPEED.
(MISSION NO W153, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
92 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730776 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2 STATIONS			3 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	3 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	92 OBS		10000 FT	6 INCH FOCAL LENGTH
PHOTOGRAPH	EARTH	BLACK AND WHITE CAMERA FROM AIRCRAFT	PHOTOGRAPHS	92 OBS		10000 FT	6 INCH FOCAL LENGTH

001255

VIMS-TROPICAL STORM AGNES
DATA COLLECTED: AUGUST 1972 TO AUGUST 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY MOUTH, VIRGINIA

ABSTRACT:
MISSION W156, FLT. 1, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON AUG. 3, 1972, IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. IN AREA OF MOUTH OF CHESSPEAKE BAY, OBJECTIVE - TO ACQUIRE REMOTELY SENSED IMAGERY IN BLACK AND WHITE AND FALSE-COLOR TO INVESTIGATE DAMAGE CAUSED BY TROPICAL STORM "AGNES". FLIGHT IN GOOD WEATHER WITH FEW SCATTERED CLOUDS AND VERY HAZY, AIR TEMP. 11 DEG C AT 10,000 FT., MSL WITH WIND OF 15 KNOTS FROM 280 DEG.
(MISSION NO W156, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
94 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730776 730775 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			4 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	4	STATIONS			
PHOTOGRAPH	EARTH	BLACK AND WHITE CAMERA FROM AIRCRAFT	PHOTOGRAPHS	94	OBS		10000 FT	6 INCH FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, HOG ISLAND

ABSTRACT:
MISSION W157, FLT. 1, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA AND ONE H.R.B. SINGER MODEL AAD-2 THERMAL SCANNER ON AUG. 18, 1972, IN COOPERATION WITH THE VA. INSTITUTE OF MARINE SCI. IN HOG ISLAND, JAMES RIVER, VA. REGION. OBJECTIVE - TO UTILIZE BLACK AND WHITE PHOTOGRAPHY AND THERMAL IMAGERY TO INVESTIGATE THERMAL DISCHARGING AND ITS PROGRESSION IN JAMES RIVER ESTUARY. FLIGHT IN VERY POOR WEATHER, SCATTERED TO BROKEN CLOUDS, EXTREMELY HAZY, AIR TEMP. 18 DEG. C AT 5000 FT., MSL WITH WIND OF 4 KNOTS FROM 270 DEG.
(MISSION NO W157, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
70 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			3 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	3	STATIONS			
PHOTOGRAPH	EARTH	BLACK AND WHITE CAMERA FROM AIRCRAFT	PHOTOGRAPHS	70	OBS		13 OBS AT 5000 FT, 24 OBS AT 3000 FT, 33 OBS AT 1500 FT	6 INCH FOCAL LENGTH, ALSO THERMAL SCANNING

001259 U S FISH AND WILDLIFE SERVICE WETLAND STUDIES PAGE 01
DATA COLLECTED: AUGUST 1972 TO AUGUST 1972 RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, DELAWARE, REHOBOTH AND INDIAN RIVER

ABSTRACT:
MISSION W160, FLT. 1 WITH WALLOPS STATION C54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA ON AUG. 22, 1972, IN COOPERATION WITH DEPT. OF INTERIOR, U. S. FISH AND WILDLIFE SERVICE IN REHOBOTH AND INDIAN RIVER, DEL. AREA. OBJECTIVE - TO USE REMOTELY SENSED FALSE-COLOR IMAGERY TO EVALUATE CULTURAL MODIFICATIONS OF TIDAL MARSHLANDS AND DEVELOP ENVIRONMENTAL IMPACT ANALYSIS OF THIS PORTION OF THE DEL. COASTAL ZONE ENVIRONMENT. FLIGHT IN GOOD WEATHER, NO OVERCAST, LIGHT HAZE, AIR TEMP. 18 DEG. C AT 3500 FT., MSL WIND OF 16 KNOTS FROM 310 DEG.
(MISSION NO W160, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
91 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			10 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	10	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	91	OBS		3500 FT	6 INCH FOCAL LENGTH

001260

UNIVERSITY OF DELAWARE COASTAL ZONE STUDIES
DATA COLLECTED: AUGUST 1972 TO AUGUST 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, DELAWARE, NEW CASTLE TO OCEAN CITY

ABSTRACT:
MISSION W160, FLT. 2, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA ON AUG. 22, 1972, IN COOPERATION WITH COLLEGE OF MARINE SCI., UNIV. OF DEL. ALONG COAST ZONES OF DEL. RIVER AND DEL.-MD. ATLANTIC COASTAL REGIONS. OBJECTIVE - TO USE REMOTELY SENSED FALSE-COLOR IMAGERY TO EVALUATE COASTAL ZONE AQUATIC SPECIES IDENTIFICATION AND DISTRIBUTION IN PREPARATION FOR ERTS OVERPASSES. FLIGHT IN GOOD WEATHER WITH NO OVERCAST, VISIBILITY 10-12 MILES, AIR TEMP. 10 DEG. C AT 11,500 FT., MSL WITH WIND OF 5 KNOTS FROM 310 DEG.
(MISSION NO W160, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
79 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730795 730785 730784

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	2	STATIONS			2 FLIGHT LINES
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	79	OBS		11500 FT	6 INCH FOCAL LENGTH

001262

MARYLAND DEPARTMENT OF CHESAPEAKE BAY AFFAIRS WETLANDS STUDY
DATA COLLECTED: AUGUST 1972 TO AUGUST 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, ELKTON WETLANDS

ABSTRACT:
MISSION W162, FLT. 1 WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON AUG. 25, 1972 IN COOPERATION WITH MD. DEPT. OF CHESAPEAKE BAY AFFAIRS IN ELK RIVER SECTION. OBJECTIVE - TO USE NATURAL AND FALSE-COLOR IMAGERY FOR INVESTIGATION OF MARSHLAND AQUATIC COMMUNITIES FOR IDENTIFICATION AND DISTRIBUTION. FLIGHT IN GOOD WEATHER WITH SOME SCATTERED CLOUDS, EXTREMELY HAZY, AIR TEMP. 10 DEG C AT 9500 FT., MSL WITH WIND OF 10 KNOTS FROM 205 DEG.
(MISSION NO W162, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
44 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			2 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	2 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	44 OBS		9500 FT	6 INCH FOCAL LENGTH

001265

DYNAMIC BASIN CHARACTERISTICS STUDY-SOW BRIDGE RIVER, DELAWARE AND BEAVER DAM RIVER, MARYLAND

DATA COLLECTED: OCTOBER 1972 TO OCTOBER 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, DELAWARE, SOWBRIDGE RIVER, CHESAPEAKE BAY, MARYLAND, BEAVER DAM RIVER

ABSTRACT:
MISSION W164, FLT. 1 WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AND I2S CAMERA SYSTEMS ON OCTOBER 26, 1972, IN COOPERATION WITH U. S. GEOLOGICAL SURVEY OF DEPT. OF INTERIOR. FLIGHT MADE OVER SOWBRIDGE AND BEAVER DAM RIVERS IN DEL. AND MD. OBJECTIVE - TO COMPILE A BASE LINE STUDY OF EACH RIVER BASINS FOR USE IN OBSERVING DYNAMIC BASIN CHARACTERISTICS FROM ERTS IMAGERY. FLIGHT IN CLEAR WEATHER, VISIBILITY 7-10 MILES, AIR TEMP. 10 DEG. C AT 5000 FT., MSL WITH WIND OF 5 KNOTS FROM 210 DEG.
(MISSION NO W164, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
230 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS			6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	230	OBS		180 OBS AT 5000 FT, 50 OBS AT 10000 FT	6 INCH FOCAL LENGTH

RHODE RIVER VEGETATIVE AND DRAINAGE STUDIES
DATA COLLECTED: AUGUST 1972 TO AUGUST 1972
RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER

ABSTRACT:
MISSION W165, FLT. 1 WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON AUG. 30, 1972, IN COOPERATION WITH CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES (SMITHSONIAN INSTITUTE) IN RHODE RIVER, MD. REGION. OBJECTIVE - TO ACQUIRE AIRBORN NATURAL AND FALSE-COLOR IMAGERY FOR INVESTIGATION OF VEGETATION GROWTH AND DRAINAGE PATTERNS WITHIN THE RHODE RIVER WATERSHED. FLIGHT IN GOOD WEATHER, NO OVERCAST, SLIGHT HAZE, AIR TEMP. 23 DEG. C AT 2500 FT., MSL WITH WIND OF 15 KNOTS FROM 285 DEG.
(MISSION NO W165, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
260 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								9 FLIGHT LINES
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	260	OBS		162 OBS AT 2500 FT, 52 OBS AT 1200 FT, 46 OBS AT 500 FT	6 INCH FOCAL LENGTH

001269

MARYLAND DEPARTMENT OF CHESAPEAKE BAY AFFAIRS WETLANDS STUDY
DATA COLLECTED: SEPTEMBER 1972 TO SEPTEMBER 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, PATUXENT RIVER

ABSTRACT:
MISSION W167, FLT. 2, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON SEPT. 8, 1972, IN COOPERATION WITH THE MD. DEPT. OF CHESAPEAKE BAY AFFAIRS IN ELKTON, MD. AREA. OBJECTIVE - TO OBTAIN NATURAL AND FALSE-COLOR IMAGERY TO INVESTIGATE MARSHLAND ECOLOGY IN ELK RIVER AREA. FLIGHT IN CLEAR WEATHER, VISIBILITY 6-8 MILES, AIR TEMP. 10 DEG. C AT 10,000 FT., MSL WITH WIND OF 12 KNOTS FROM 290 DEG.
(MISSION NO W167, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
202 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	202	OBS		106 OBS AT 10000 FT, 96 OBS AT 2500 FT	6 INCH FOCAL LENGTH

001272 VIRGINIA INSTITUTE OF MARINE SCIENCES WETLAND STUDIES PAGE 01
DATA COLLECTED: SEPTEMBER 1972 TO SEPTEMBER 1972 RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE, PARAMORE ISLAND

ABSTRACT:
MISSION W169, FLT. 2, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON SEPT. 11, 1972, IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. IN THE WACHAPREAGUE AND PARAMORE ISLAND AREAS. OBJECTIVE - TO OBTAIN NATURAL COLOR AND FALSE COLOR IMAGERY TO INVESTIGATE COASTAL ZONE FEATURES OF VEGETATION, EROSION, SEDIMENT TRANSPORT, AND SALT WATER TIDAL FLATS. FLIGHT MADE IN CLEAR WEATHER, VISIBILITY 8-10 MILES, AIR TEMP. 14 DEG. C AT 5000 FT., MSL WITH WIND OF 12 KNOTS FROM S.E.
(MISSION NO W169, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
68 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			5 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	5	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	68	OBS		5000 FT	6 INCH FOCAL LENGTH

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PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, YORK RIVER, POROPATANK BAY

ABSTRACT:
MISSION W169, FLT. 3, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON SEPT. 11, 1972, IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. OF THE YORK RIVER AREA NEAR POROPATANK BAY. OBJECTIVE - TO STUDY ESTUARINE INFLOW AND MARSHLAND CHARACTERISTICS ASSOCIATED WITH BRACKISH WATERS. FLIGHT IN CLEAR WEATHER, FEW SCATTERED CLOUDS, AIR TEMP. 14 DEG. C AT 5000 FT., MSL WITH WIND 12 KNOTS FROM S.E.
(MISSION NO W169, FLT 3)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
46 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			4 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	4	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	46	OBS		5000 FT	6 INCH FOCAL LENGTH

001275

RHODE RIVER VEGETATIVE AND DRAINAGE STUDIES
DATA COLLECTED: OCTOBER 1972 TO OCTOBER 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER WATERSHED

ABSTRACT:
MISSION W170, FLI. 1, ACCOMPLISHED WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO AERIAL CAMERAS, T-11 AND 12S, ON OCTOBER 11, 1972, IN COOPERATION WITH SMITHSONIAN INSTITUTE. MISSION OVER WETLANDS AREAS OF RHODE RIVER AND TRIBUTARIES. ONE OF A SERIES TAKEN OVER RHODE RIVER FOR PURPOSE OF DEFINING WETLAND VEGETATION SIGNATURES THROUGHOUT YEARLY GROWTH CYCLE. FLIGHT IN CLEAR WEATHER WITH VISIBILITY 10-12 MILES, AIR TEMP. +5 DEG. AT 2500 FT., MSL WITH WIND OF 8 KNOTS FROM 360 DEG. (MISSION NO W170, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
696 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			13 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	13	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	645	OBS		420 OBS AT 2500 FT, 120 OBS AT 1200 FT, 51 OBS AT 1000 FT, 105 OBS AT 500 FT	6 INCH FOCAL LENGTH

105

001277 MOVEMENT OF SUSPENDED PARTICLE AND SOLUTE CONCENTRATIONS WITHIN CHESAPEAKE BAY RIVERS-RAPPAHANNOCK, YORK, CHOPTANK, WICOMOCO, ELK, AND CHESAPEAKE DELAWARE CANAL

DATA COLLECTED: OCTOBER 1972 TO OCTOBER 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, CHESAPEAKE DELAWARE CANAL, CHESAPEAKE BAY, RAPPAHANNOCK RIVER, YORK RIVER, CHOPTANK RIVER, WICOMOCO RIVER, ELK RIVER, JAMES RIVER

ABSTRACT:
MISSION W172, FLT. 1, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AND AN I2S CAMERA SYSTEM ON OCTOBER 10, 1972, IN COOPERATION WITH U. S. ARMY ENGINEER WATERWAYS EXPERIMENT STATION (WES). FLIGHT COVERED PORTIONS OF RAPPAHANNOCK, YORK, CHOPTANK, WICOMOCO, AND ELK RIVERS, AND CHESAPEAKE AND DELAWARE CANAL. OBJECTIVE - TO LOCATE AND MONITOR MOVEMENT OF SUSPENDED PARTICLES AND SOLUTE CONCENTRATIONS WITH INFLOW AND TIDAL ACTION. CLEAR WEATHER WITH BLUE SKIES, VISIBILITY 10-15 MILES, AIR TEMP. +7 DEG. AT 9,500 FT. MSL WITH WIND OF 8 KNOTS FROM 360 DEG.
(MISSION NO W172, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
386 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730795 730785 730786 730776 730766 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								11 FLIGHT LINES
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	11	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	386	OBS		318 OBS AT 9500 FT, 68 OBS AT 10500 FT	6 INCH FOCAL LENGTH

001276

BRANDYWINE RIVER POLLUTION STUDY
DATA COLLECTED: JUNE 1973 TO JUNE 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, DELAWARE, BRANDYWINE RIVER

ABSTRACT:
MISSION W224, FLT. 1, JUNE 12, 1973. WALLOPS STATION C-54 AIRCRAFT WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE U. S. GEOLOGICAL SURVEY AND CHESTER COUNTY, PENN. HEALTH DEPT. OBJECTIVE - TO PROVIDE SUPPORT TO CHESTER COUNTY HEALTH DEPT. IN LOCATING POSSIBLE SOURCES OF ANIMAL AND/OR HUMAN WASTE MATERIALS IN CHADS FORD AREA OF BRANDYWIND RIVER.
(MISSION NO W224, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
72 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	1	STATIONS			1 FLIGHT LINE
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	72	OBS		5500 FT	152 MM FOCAL LENGTH

001288

SHORELINE EROSION OF CHESTER RIVER AREA
DATA COLLECTED: NOVEMBER 1971 TO OCTOBER 1972

RECEIVED: SEPTEMBER 17, 1973

PROJECTS:
CHESTER RIVER STUDY

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, CHESTER RIVER

ABSTRACT:
PHOTOGRAPHIC AND VISUAL SURVEY OF SHORELINE EROSION, SHORELINE STRUCTURES AND SHORELINE TYPE ON THE CHESTER RIVER, MARYLAND.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
PHOTOPRINTS
98 MILES OF SHORELINE CLASSIFIED; APPROX 200 PHOTOGRAPHS

FUNDING:
WESTINGHOUSE, MARYLAND DEPT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:
CHESTER RIVER STUDY, WESTINGHOUSE, VOL 1, 2, 3

CONTACT:
HAROLD PALMER 301-765-1000
WESTINGHOUSE ELECTRIC CORPORATION
OCEAN RESEARCH LABORATORY, BOX 1771
ANNAPOLIS MARYLAND USA 21404

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			CHESTER RIVER COMPLEX CONSIDERED AS ONE STATION
TIME	EARTH	STATION TIME	YMDL	1 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM GROUND	PHOTOGRAPHS, 35 MM COLOR SLIDES	98 MILES			200 PHOTOGRAPHS, SHORELINE CONDITIONS CLASSIFIED AS SEVERE EROSION, MODERATE EROSION;

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							BEACH, NATURAL PROTECTION; MAN-MADE PROTECTIVE DEVICES
DEPOSITION	SEDIMENT	VISUAL	PERCENT	98	MILES		200 PHOTOGRAPHS, SHORELINE CONDITIONS CLASSIFIED AS SEVERE EROSION, MODERATE EROSION; BEACH, NATURAL PROTECTION; MAN-MADE PROTECTIVE DEVICES

001292

ANALYSIS OF SEDIMENTS IN THE CHESTER RIVER
DATA COLLECTED: NOVEMBER 1971 TO SEPTEMBER 1972

RECEIVED: SEPTEMBER 17, 1973

PROJECTS:
CHESTER RIVER STUDY

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, CHESTER RIVER

ABSTRACT:
SURVEY OF SEDIMENTS IN THE CHESTER RIVER, MARYLAND. SURVEY INCLUDES CLAY MINEROLOGY, SIZE ANALYSIS AND BEACH SAND SIZE ANALYSIS. DATA INCLUDES SIZE ANALYSIS HISTOGRAMS AND ANALYSIS OF SKEWNESS.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
PUNCHED CARDS
250 SEDIMENT SAMPLES; 80 BEACH SAND SAMPLES

FUNDING:
WESTINGHOUSE, MARYLAND DEPT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:
CHESTER RIVER STUDY, WESTINGHOUSE, VOL 1, 2, 3

CONTACT:
HAROLD PALMER 301-765-1000
WESTINGHOUSE ELECTRIC CORPORATION
OCEAN RESEARCH LABORATORY, BOX 1771
ANNAPOLIS MARYLAND USA 21404

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	62	STATIONS			
TIME	EARTH	STATION TIME	YMDL	250	STATIONS			
SIZE ANALYSIS	SEDIMENT	SETTLING/ WEIGHING	PHI UNITS	330	OBS		BOTTOM	HISTOGRAMS, SKEWNESS, CUMULATIVE SIZE ANALYSIS FOR BEACH SAND
MINERALOGY	SEDIMENT	X-RAY DIFFRACTION	VARIABLE	60	OBS		BOTTOM	GENERAL CLAY MINEROLOGY; ATTEMPTS TO USE SPECIFIC MINERALS AS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							TRACERS: 40 SEDIMENT SAMPLES: 20 SUSPENDED SEDIMENT SAMPLES
PARTICULATE MATTER	WATER	GRAVIMETRY	MILLIGRAMS PER LITER	90	OBS	1/2 HOUR	SURFACE, MID WATER BOTTOM	24-HOUR STATION

HYDROGRAPHY OF THE CHESTER RIVER
DATA COLLECTED: NOVEMBER 1971 TO OCTOBER 1972

RECEIVED: SEPTEMBER 17, 1973

PROJECTS:
CHESTER RIVER STUDY

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, CHESTER RIVER

ABSTRACT:
EXTENSIVE HYDROGRAPHIC STUDY OF THE CHESTER RIVER, MARYLAND. STUDY WAS DESIGNED TO SUPPLY INFORMATION FOR THE CONSTRUCTION OF A MATHEMATICAL MODEL OF THE RIVER AND TO OBTAIN LONG-TERM MEASUREMENTS OF HYDROLOGICAL AND METEOROLOGICAL PARAMETERS WHICH ARE NECESSARY TO PROPERLY INTERPERT OTHER ASPECTS OF THE CHESTER RIVER STUDY. REPORTS CONTAIN DETAILED ACCOUNTS OF DATA MANAGEMENT, INSTRUMENTATION AND DATA SUMMARIES. THE RIVER SURVEY CONSISTED OF FIVE LONGITUDINAL TRANSECTS OF 13 STATIONS EACH, 5 TRANSECTS OF 9 STATIONS EACH, AND SEVERAL 5-29 HOUR OPERATIONS ALL USING HYDROLAB CORPS. SURVEY SYSTEM. FIXED STATIONS CONSISTED OF 2 HYDROPRODUCTS CURRENT STATIONS, 2 WESTINGHOUSE ENVIRONMENTAL MONITORING SYSTEMS AND 3 ODESSA DATA BOUYS.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
THREE VOLUME REPORT: ONE-HALF INCH, 7 TRACK MAG TAPES, 800 BPI, EVEN PARITY BCD DIGITAL STORAGE FORMAT; TWO-2400 FT TAPES

FUNDING:
WESTINGHOUSE, MARYLAND DEPT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:
CHESTER RIVER STUDY, WESTINGHOUSE, VOL 1, 2, 3

CONTACT:
HAROLD PALMER 301-765-1000
WESTINGHOUSE ELECTRIC CORPORATION
OCEAN RESEARCH LABORATORY, BOX 1771
ANNAPOLIS MARYLAND USA 21404

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	31	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	31	STATIONS			
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	403200	OBS	10 PER HOUR	SURFACE TO BOTTOM PROFILE	ODESSA DATA BOUY SYSTEM; NATIONAL OCEAN SURVEY (NOAA); 3 BOUYS, 7 UNDER-WATER

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								SENSOR MODULES; 3 STATIONS MAY-JUL 1972
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	KNOTS	403200	OBS	10 PER HOUR	SURFACE TO BOTTOM PROFILE	ODESSA DATA BOUY SYSTEM; NATIONAL OCEAN SURVEY (NOAA); 3 BOUYS, 7 UNDER-WATER SENSOR MODULES; 3 STATIONS MAY-JUL 1972
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	403200	OBS	10 PER HOUR	SURFACE TO BOTTOM PROFILE	ODESSA DATA BOUY SYSTEM; NATIONAL OCEAN SURVEY (NOAA); 3 BOUYS, 7 UNDER-WATER SENSOR MODULES; 3 STATIONS MAY-JUL 1972
TEMPERATURE	WATER	THERMISTOR	DEG C	403200	OBS	10 PER HOUR	SURFACE TO BOTTOM PROFILE	ODESSA DATA BOUY SYSTEM; NATIONAL OCEAN SURVEY (NOAA); 3 BOUYS, 7 UNDER-WATER SENSOR MODULES; 3 STATIONS MAY-JUL 1972
DEPTH	WATER	PRESSURE TRANSDUCER	METERS	403200	OBS	10 PER HOUR	SURFACE TO BOTTOM PROFILE	ODESSA DATA BOUY SYSTEM; NATIONAL OCEAN SURVEY (NOAA); 3 BOUYS, 7 UNDER-WATER SENSOR MODULES; 3 STATIONS MAY-JUL 1972
WATER LEVEL	WATER	RECORDING BUBBLER GAGE	FEET	237600	OBS	10 PER HOUR		REFERENCE TO MLW; 3 STATIONS
WIND SPEED	AIR	ANEMOMETER	KNOTS	46080	OBS	4 PER HOUR	ONE SENSOR 30 FT ABOVE GROUND, THE OTHER 60 FT	WESTINGHOUSE ENVIRONMENTAL MONITORING SYSTEMS; 2 STATIONS
WIND DIRECTION	AIR	DIRECTION VANE	DEGREES	46080	OBS	4 PER HOUR	ONE SENSOR 30	WESTINGHOUSE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
							FT ABOVE GROUND, THE OTHER 60 FT	ENVIRONMENTAL MONITORING SYSTEMS: 2 STATIONS
TEMPERATURE	AIR	THERMISTOR	DEG C	46080	OBS	4 PER HOUR	ONE SENSOR 30 FT ABOVE GROUND, THE OTHER 60 FT	WESTINGHOUSE ENVIRONMENTAL MONITORING SYSTEMS: 2 STATIONS
PRECIPITATION AMOUNT	AIR	RAIN GAGE	INCHES	46080	OBS	4 PER HOUR	ONE SENSOR 30 FT ABOVE GROUND, THE OTHER 60 FT	WESTINGHOUSE ENVIRONMENTAL MONITORING SYSTEMS: 2 STATIONS
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	KNOTS	71280	OBS	8 PT 25 PER HOUR	SURFACE AND BOTTOM	2 STATIONS; HYDRO PRODUCTS SELF RECORDING CURRENT METER JAN-APR 1972
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	71280	OBS	8 PT 25 PER HOUR	SURFACE AND BOTTOM	2 STATIONS; HYDRO PRODUCTS SELF RECORDING CURRENT METER JAN-APR 1972
TEMPERATURE	WATER	THERMISTOR	DEG C	71280	OBS	8 PT 25 PER HOUR	SURFACE AND BOTTOM	2 STATIONS; HYDRO PRODUCTS SELF RECORDING CURRENT METER JAN-APR 1972
PH	WATER	SPECIFIC ION ELECTRODE	UNITS	625	OBS	HOURLY	SURFACE TO BOTTOM AT 5 DEPTHS	HYDROLAB CORP SURVEYOR SYSTEM 5-28 HOUR DATA GATHERING OPERATIONS ATONE FIXED STATION
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	MG PER LITER	625	OBS	HOURLY	SURFACE TO BOTTOM AT 5 DEPTHS	HYDROLAB CORP SURVEYOR SYSTEM 5-28 HOUR DATA GATHERING OPERATIONS ATONE FIXED STATION
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	625	OBS	HOURLY	SURFACE TO BOTTOM AT 5 DEPTHS	HYDROLAB CORP SURVEYOR SYSTEM 5-28 HOUR DATA GATHERING OPERATIONS ATONE FIXED STATION

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CHLORIDE	WATER	SPECIFIC ION ELECTRODE	PARTS PER THOUSAND	625	OBS	HOURLY	SURFACE TO BOTTOM AT 5 DEPTHS	HYDROLAB CORP SURVEYOR SYSTEM 5-28 HOUR DATA GATHERING OPERATIONS ATONE FIXED STATION
TEMPERATURE	WATER	THERMISTOR	DEG C	625	OBS	HOURLY	SURFACE TO BOTTOM AT 5 DEPTHS	HYDROLAB CORP SURVEYOR SYSTEM 5-28 HOUR DATA GATHERING OPERATIONS ATONE FIXED STATION
PH	WATER	SPECIFIC ION ELECTRODE	UNITS	180	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	LONGITUDINAL TRANSECT OF CHESTER RIVER; 9 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	MG PER LITER	180	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	LONGITUDINAL TRANSECT OF CHESTER RIVER; 9 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
SALINITY	WATER	CONDUCTIVITY	MG PER LITER	180	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	LONGITUDINAL TRANSECT OF CHESTER RIVER; 9 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
CHLORIDE	WATER	SPECIFIC ION ELECTRODE	403200	180	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	LONGITUDINAL TRANSECT OF CHESTER RIVER; 9 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
TEMPERATURE	WATER	THERMISTOR	180	180	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	LONGITUDINAL TRANSECT OF CHESTER RIVER; 9 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
PH	WATER	SPECIFIC ION ELECTRODE	UNITS	195	OBS		SURFACE TO BOTTOM AT 5	TRANSVERSE TRANSECTS OF

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
							DEPTHS	CHESTER RIVER 13 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	MG PER LITER	195	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	TRANSVERSE TRANSECTS OF CHESTER RIVER 13 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	195	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	TRANSVERSE TRANSECTS OF CHESTER RIVER 13 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
CHLORIDE	WATER	SPECIFIC ION ELECTRODE	403200	195	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	TRANSVERSE TRANSECTS OF CHESTER RIVER 13 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
TEMPERATURE	WATER	THERMISTOR	DEG C	195	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	TRANSVERSE TRANSECTS OF CHESTER RIVER 13 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM

001494

HYDROGRAPHIC STUDIES OF CHESAPEAKE BAY; CURRENT METER DATA, 1973
DATA COLLECTED: MARCH 1973 TO SEPTEMBER 1973

RECEIVED: MARCH 04, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, LOWER CHESAPEAKE BAY AND TRIBUTARIES

ABSTRACT:
CURRENT SPEED AND DIRECTION MEASUREMENTS WERE MADE EVERY TWENTY MINUTES FOR FIVE DAY PERIODS AT APPROXIMATELY 100 STATIONS IN THE LOWER CHESAPEAKE BAY, RAPPAHANNOCK, YORK, JAMES, ELIZABETH, BACK, POQUOSON, PIANKATANK, GREAT WICOMOCO RIVERS. STATIONS WERE VISITED ONCE OR TWICE DURING 1973.
(SALINITY, WATER TEMPERATURE, DISSOLVED OXYGEN MEASUREMENTS AVAILABLE FROM VIMS HYDRO DATA BASE BY STATION)

DATA AVAILABILITY:
PERMISSION OF GRANTING AGENCY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
ONE MAGNETIC TAPE; ONE NOTEBOOK OF 200 PRINTOUT SHEETS

FUNDING:
RANN; CORPS OF ENGINEERS; COMBINED STATE AGENCIES OF VIRGINIA

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN JACOBSON 804 642 2111 X95
VIRGINIA INSTITUTE OF MARINE SCIENCE,OCEANOGRAPHY
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730766 730776 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	100	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	33000	OBS	EVERY TWENTY MINUTES		SAMPLING CONTINUES FOR FIVE DAY PERIODS
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	FEET PER SECOND	100000	OBS	EVERY TWENTY MINUTES	SURFACE TO BOTTOM AT THREE METER INTERVALS	SAMPLING CONTINUES FOR FIVE DAY PERIODS
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	100000	OBS	EVERY TWENTY MINUTES	SURFACE TO BOTTOM AT THREE METER	SAMPLING CONTINUES FOR FIVE DAY

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
						INTERVALS	PERIODS

001495

HYDROGRAPHIC STUDIES OF CHESAPEAKE BAY; CURRENT METER DATA; 1972
DATA COLLECTED: JUNE 1972 TO AUGUST 1972

RECEIVED: MARCH 04, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, LOWER CHESAPEAKE BAY, JAMES, YORK, RAPPAHANNOCK RIVERS

ABSTRACT:
CURRENT SPEED AND DIRECTION MEASUREMENTS WERE MADE EVERY TWENTY MINUTES AT 25 STATIONS IN THE LOWER CHESAPEAKE BAY, JAMES, YORK, AND RAPPAHANNOCK RIVERS FOR PERIODS RANGING FROM THREE DAYS TO ONE MONTH DURING 1972.
(SALINITY, WATER TEMPERATURE, DISSOLVED OXYGEN MEASUREMENTS AVAILABLE FROM VIMS HYDRO DATA BASE BY STATION)

DATA AVAILABILITY:
PERMISSION OF GRANTING AGENCY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
ONE REEL MAGNETIC TAPE; ONE NOTEBOOK OF 200 PRINTOUT SHEETS

FUNDING:
RANN; CORPS OF ENGINEERS

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN JACOBSON 804 642 2111 X95
VIRGINIA INSTITUTE OF MARINE SCIENCE,OCEANOGRAPHY
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730766 730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	25	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	15000	OBS	EVERY TWENTY MINUTES		SAMPLING CONTINUES FROM THREE DAYS TO ONE MONTH DEPENDING UPON STATION
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	FEET PER SECOND	50000	OBS	EVERY TWENTY MINUTES	SURFACE TO BOTTOM AT THREE METER INTERVALS	SAMPLING CONTINUES FROM THREE DAYS TO ONE MONTH DEPENDING UPON STATION

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	50000 OBS	EVERY TWENTY MINUTES	SURFACE TO BOTTOM AT THREE METER INTERVALS	SAMPLING CONTINUES FROM THREE DAYS TO ONE MONTH DEPENDING UPON STATION

001490 HYDROGRAPHIC STUDIES OF JAMES RIVER: CURRENT METER DATA, 1971 PAGE 01
DATA COLLECTED: JUNE 1971 TO AUGUST 1971 RECEIVED: MARCH 04, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, JAMES RIVER

ABSTRACT:
CURRENT SPEED AND DIRECTION MEASUREMENTS WERE MADE EVERY TWENTY MINUTES AT STATIONS LOCATED IN FOURTEEN TRANSECTS OF THE JAMES RIVER. EACH SAMPLING PERIOD WAS FOR APPROXIMATELY FIVE DAYS AND ALL TRANSECTS WERE SAMPLED TWICE DURING 1971. (SALINITY, WATER TEMPERATURE, DISSOLVED OXYGEN MEASUREMENTS AVAILABLE FROM VIMS HYDRO DATA BASE BY STATION)

DATA AVAILABILITY:
PERMISSION OF GRANTING AGENCY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
ONE REEL MAGNETIC TAPE; ONE NOTEBOOK OF 200 PRINTOUT SHEETS

FUNDING:
CORPS OF ENGINEERS; COMBINED STATE AGENCIES OF VIRGINIA

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN JACOBSON 804 642 2111 X95
VIRGINIA INSTITUTE OF MARINE SCIENCE,OCEANOGRAPHY
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730766 730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	14	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	25000	OBS	EVERY TWENTY MINUTES		SAMPLING CONTINUES FOR APPROXIMATELY A FIVE DAY PERIOD AT EACH STATION
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	FEET PER SECOND	75000	OBS	EVERY TWENTY MINUTES	SURFACE TO BOTTOM AT THREE METER INTERVALS	SAMPLING CONTINUES FOR APPROXIMATELY A FIVE DAY PERIOD AT EACH STATION

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	75000 OBS	EVERY TWENTY MINUTES	SURFACE TO BOTTOM AT THREE METER INTERVALS	SAMPLING CONTINUES FOR APPROXIMATELY A FIVE DAY PERIOD AT EACH STATION

001497

HYDROGRAPHIC STUDIES OF CHESAPEAKE BAY; CURRENT METER DATA, 1970
DATA COLLECTED: MAY 1970 TO AUGUST 1970

RECEIVED: MARCH 04, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, MOBJACK BAY, RAPPAHANNOCK RIVER

ABSTRACT:
CURRENT SPEED AND DIRECTION MEASUREMENTS WERE MADE EVERY TWENTY MINUTES AT STATIONS LOCATED ALONG 29 TRANSECTS OF THE RAPPAHANNOCK RIVER AND MOBJACK BAY. EACH SAMPLING PERIOD WAS FOR APPROXIMATELY TWO WEEKS, WITH ONE SAMPLING PERIOD PER TRANSECT.
(SALINITY, WATER TEMPERATURE, DISSOLVED OXYGEN MEASUREMENTS AVAILABLE FROM VIMS HYDRO DATA BASE BY STATION)

DATA AVAILABILITY:
PERMISSION OF GRANTING AGENCY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
ONE REEL MAGNETIC TAPE; ONE NOTEBOOK OF 200 PRINTOUT SHEETS

FUNDING:
CORPS OF ENGINEERS; COMBINED STATE AGENCIES OF VIRGINIA

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN JACOBSON 804 642 2111 X95
VIRGINIA INSTITUTE OF MARINE SCIENCE,OCEANOGRAPHY
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	29	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	25000	OBS	EVERY TWENTY MINUTES		SAMPLING CONTINUES FOR APPROXIMATELY A TWO WEEK PERIOD AT EACH STATION
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	FEET PER SECOND	75000	OBS	EVERY TWENTY MINUTES	SURFACE TO BOTTOM AT THREE METER INTERVALS	SAMPLING CONTINUES FOR APPROXIMATELY A TWO WEEK PERIOD AT EACH

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	75000 OBS	EVERY TWENTY MINUTES	SURFACE TO BOTTOM AT THREE METER INTERVALS	STATION SAMPLING CONTINUES FOR APPROXIMATELY A TWO WEEK PERIOD AT EACH STATION

001614

SEDIMENTATION IN CHINCOTEAGUE BAY
DATA COLLECTED: JUNE 1969 TO JUNE 1970

RECEIVED: APRIL 29, 1974

PROJECTS:
ASSATEAGUE ECOLOGICAL STUDIES

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., DELMARVA PENINSULA, CHINCOTEAGUE BAY

ABSTRACT:
SEDIMENT SURVEY OF CHINCOTEAGUE BAY AREA TO MAP BOTTOM TYPE. BASELINE DATA FOR NATIONAL SEASHORE PARK INCLUDES DATA FROM 91 GRAB SAMPLES
(WORK BY CHARLES E. BARTBERGER, NRI REFERENCE NUMBER 446, UNIVERSITY OF MARYLAND)

DATA AVAILABILITY:
WRITTEN REQUEST

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
PART 2 OF 300 PAGE FINAL REPORT

FUNDING:
NATIONAL PARKS SERVICE CONTRACT NUMBER 14-10-5-950-36

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	91	STATIONS			
TIME	EARTH	STATION TIME	YMD	91	STATIONS			
BOTTOM TYPE	BOTTOM	VISUAL	USCGS TYPES	91	OBS			BENTHIC GRABS MADE ON TRANSECTS
SIZE ANALYSIS	SEDIMENT	SIEVE	PERCENT COMPOSITION	91	OBS			0.624 MM DIVIDE SAND AND SILT, MAPS CONSTRUCTED FOR BAY

001615

ORIGIN AND GEOLOGICAL HISTORY OF ASSATEAGUE ISLAND
DATA COLLECTED: JUNE 1969 TO SEPTEMBER 1969

RECEIVED: APRIL 29, 1974

PROJECTS:
ASSATEAGUE ECOLOGICAL STUDIES

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., DELMARVA PENINSULA ASSATEAGUE ISLAND

ABSTRACT:
SMALL SURVEY CONTAINING DATA FROM 26 BORINGS IN THE VICINITY OF ASSATEAGUE ISLAND CONDUCTED TO DETERMINE THE AGE AND ORIGIN OF THE ISLAND COMPLEX. SCORED CORES ON DEPTH AT WHICH BIOMATERIAL OF MARSH ORIGIN WAS FOUND.
(ANALYSES BY ROBERT BIGGS, NRI REFERENCE NUMBER 446, UNIVERSITY OF MARYLAND)

DATA AVAILABILITY:
WRITTEN REQUEST

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
PART 1 OF 300 PAGE REPORT

FUNDING:
NATIONAL PARKS SERVICE CONTRACT NUMBER 14-10-5-950-36

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	26	STATIONS			
TIME	EARTH	STATION TIME	YMD	26	STATIONS			
BOTTOM TYPE	BOTTOM	VISUAL	GENERAL TYPES BY DEPTH	26	OBS			SEDIMENT CORES 12 METERS DEEP, SCORED FOR PRESENCE OF BIO MATERIAL PER DEPTH INCREMENT

001696

ECOLOGICAL STUDY OF THE DELAWARE RIVER IN THE VICINITY OF ARTIFICIAL ISLAND
PROGRESS REPORT FOR JUNE-DECEMBER 1968
DATA COLLECTED: JUNE 1968 TO DECEMBER 1968

RECEIVED: MARCH 28, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., DELAWARE RIVER

ABSTRACT:
EXTENSIVE FISH DATA FOR THE DELAWARE RIVER IN THE VICINITY OF ARTIFICIAL ISLAND IS PRESENTED. DATA ANALYSIS RELATIVE TO IMPACT OF SALEM NUCLEAR POWER STATION ON FISH COMMUNITY. DATA COVERAGE JUNE THROUGH DECEMBER 1968. HYDROGRAPHIC INFORMATION, FISH SPECIES LIST, ABUNDANCE, LENGTH, AND STATION SIMILARITY COMPARISONS PRESENTED. SAMPLING GEAR INCLUDED 16 FOOT TRAWL, BEACH SEINE, FYKE NET AND PLANKTON NET. PROJECT TO CONTINUE FOR SEVERAL YEARS AND INCREASE IN SCOPE. (AVAILABLE AS PROGRESS REPORT UNDER TITLE OF FILE)

DATA AVAILABILITY:
WRITTEN REQUEST

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS; REPORTS
292 PAGE MIMEOGRAPH REPORT WITH ALL RAW DATA

FUNDING:
PUBLIC SERVICE ELECTRIC AND GAS COMPANY

INVENTORY:

PUBLICATIONS:

CONTACT:
VICTOR J. SCHULER 302 378 8652
ICHTHYOLOGICAL ASSOCIATES
BOX 35 RD 2
MIDDLETOWN DELAWARE USA 19709

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	685	STATIONS			
TIME	EARTH	STATION TIME	YMDHL	685	STATIONS			
TIDAL PERIOD	WATER	TABLES	FLOOD, EBB OR SLACK	685	OBS			
TIDAL CURRENT DIRECTION	WATER	WIRE ANGLE	COMPASS POINTS	685	OBS			
TIME	EARTH	STATION TIME	YMDHL	685	OBS			
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	685	OBS		SURFACE	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TEMPERATURE	AIR	MERCURY THERMOMETER	DEG C	685	OBS			
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	685	OBS		SURFACE	
DISSOLVED OXYGEN GAS	WATER	TITRATION	PARTS PER MILLION	685	OBS		SURFACE	AZIDE MODIFICATION
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	INCHES	685	OBS			
DEPTH	WATER	UNCORRECTED SOUNDING DEPTH BASED ON 4800 FT/SEC	FEET	331	OBS		BOTTOM	TRAWL STATIONS
DEPTH	WATER	VISUAL	FEET	154	OBS		BOTTOM	FYKE AND SEINE STATIONS
COMMERCIAL FISHERIES ACTIVITIES	WATER	VISUAL	NUMBER OF CRAB POTS	6	OBS	MONTHLY		INDEX OF FISHERY EFFORTS IN STUDY AREA
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES PER SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES	477	OBS		BOTTOM	16 FOOT SEMI-BALLOON TRAWL, 37 SPECIES ENCOUNTERED, 115474 INDIVIDUALS CAPTURED IN SURVEY
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	NUMBER OF SPECIES PER SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES	477	OBS			16 FOOT SEMI-BALLOON TRAWL, 37 SPECIES ENCOUNTERED, 115474 INDIVIDUALS CAPTURED IN SURVEY
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF SPECIES PER SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES	477	OBS		BOTTOM	CRABS, SHRIMPS, OTHER INVERTEBRATES CAPTURED IN TRAWL
SPECIES DETERMINATION OF PELAGIC ANIMALS	WATER	KEY	NUMBER OF SPECIES PER SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES	477	OBS			JELLYFISH AND CTENOPHORES IN TRAWL SAMPLES
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SAMPLE BY SPECIES	477	OBS		BOTTOM	CRABS, SHRIMPS, OTHER INVERTEBRATES CAPTURED IN TRAWL
COUNT OF PELAGIC	WATER	VISUAL	NUMBER PER SAMPLE BY	477	OBS			JELLYFISH AND CTENOPHORES IN

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ANIMALS			SPECIES					TRAWL SAMPLES
LENGTH OF BENTHIC ANIMALS	BOTTOM	DIRECT	MILLIMETERS WIDTH	477	OBS			BLUE CRABS IN TRAWL SAMPLE
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER PER SAMPLE BY SPECIES	477	OBS			16 FOOT SEMI-BALLOON TRAWL, 37 SPECIES ENCOUNTERED, 115474 INDIVIDUALS CAPTURED IN SURVEY
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER PER SAMPLE BY SPECIES	477	OBS			16 FOOT SEMI-BALLOON TRAWL, 37 SPECIES ENCOUNTERED, 115474 INDIVIDUALS CAPTURED IN SURVEY
COMMUNITY STRUCTURE ANALYSIS	WATER	CALCULATED	RANK ABUNDANCE, STATIONS HOMOGENEITY, FAGER INDEX	477	OBS			BY STATIONS, BY MONTH, BY SAMPLE STRATUM, BY YEAR
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	NUMBER OF SPECIES PER SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES	125	OBS			BEACH SEINE SURVEY, 9 STATIONS, 34 SPECIES TOTAL, 25 AND 75 FOOT SEINES WITH 1/4 INCH BAR MESH, INCLUDES 24 HOUR STATIONS AT AUGUSTINE BEACH WITH SAMPLE EACH 3 HOURS, 16784 INDIVIDUAL FISH TAKEN
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES PER SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES	125	OBS			BEACH SEINE SURVEY, 9 STATIONS, 34 SPECIES TOTAL, 25 AND 75 FOOT SEINES WITH 1/4 INCH BAR MESH, INCLUDES 24 HOUR STATIONS AT AUGUSTINE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								BEACH WITH SAMPLE EACH 3 HOURS, 16784 INDIVIDUAL FISH TAKEN
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER PER SAMPLE BY SPECIES	125	OBS			BEACH SEINE SURVEY, 9 STATIONS, 34 SPECIES TOTAL, 25 AND 75 FOOT SEINES WITH 1/4 INCH BAR MESH, INCLUDES 24 HOUR STATIONS AT AUGUSTINE BEACH WITH SAMPLE EACH 3 HOURS, 16784 INDIVIDUAL FISH TAKEN
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER PER SAMPLE BY SPECIES	125	OBS			BEACH SEINE SURVEY, 9 STATIONS, 34 SPECIES TOTAL, 25 AND 75 FOOT SEINES WITH 1/4 INCH BAR MESH, INCLUDES 24 HOUR STATIONS AT AUGUSTINE BEACH WITH SAMPLE EACH 3 HOURS, 16784 INDIVIDUAL FISH TAKEN
COMMUNITY STRUCTURE ANALYSIS	WATER	CALCULATED	RANK ABUNDANCE, STATIONS HOMOGENEITY, FAGER INDEX	125	OBS			BY STATIONS, BY MONTH, BY SAMPLE STRATUM, BY YEAR
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES PER SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES	29	OBS			FYKE NET SURVEY, 12 STATIONS, 29 SETS OF GEAR, 18 SPECIES TOTAL, 2399 INDIVIDUAL FISH
SPECIES DETERMINATION	WATER	KEY	NUMBER OF SPECIES PER	29	OBS			FYKE NET SURVEY, 12

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
OF PELAGIC FISH			SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES					STATIONS, 29 SETS OF GEAR, 18 SPECIES TOTAL, 2399 INDIVIDUAL FISH
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER PER SAMPLE BY SPECIES	29	OBS			FYKE NET SURVEY, 12 STATIONS, 29 SETS OF GEAR, 18 SPECIES TOTAL, 2399 INDIVIDUAL FISH
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER PER SAMPLE BY SPECIES	29	OBS			FYKE NET SURVEY, 12 STATIONS, 29 SETS OF GEAR, 18 SPECIES TOTAL, 2399 INDIVIDUAL FISH
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY	NUMBER OF SPECIES PER SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES	54	OBS		SURFACE	500 MICRON MESH, 1 METER DIAMETER NET, TOWED 10 MINUTES PER STATION, 54 STATIONS, FISH LARVAE AND MACROZOOPLANKTON SORTED
COUNT OF ZOOPLANKTON	WATER	VISUAL	NUMBER PER SAMPLE BY SPECIES	54	OBS		SURFACE	500 MICRON MESH, 1 METER DIAMETER NET, TOWED 10 MINUTES PER STATION, 54 STATIONS, FISH LARVAE AND MACROZOOPLANKTON SORTED
TAXONOMIC LIST OF ZOOPLANKTON	WATER	KEY	ORDER LIST FOR MACROZOOPLANKTERS	54	OBS		SURFACE	AMPHIPODS, COPEPODS, ISOPODS, DECAPODS AND INCIDENCE

DATA COLLECTED: JUNE 1972 TO DECEMBER 1973 RECEIVED: MARCH 28, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, NORTH ATLANTIC, VIRGINIA EASTERN SHORE, ASSATEAGUE ISLAND, CHINCOTEAGUE ISLAND, WALLOPS ISLAND

ABSTRACT:
SEDIMENT MOVEMENT WITHIN SELECTED AREAS OF THE EASTERN SHORE OF VIRGINIA IS STUDIED.

DATA AVAILABILITY:
AVAILABLE AFTER JUNE 1974

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
PUNCHED CARDS; DATA SHEETS
SEVERAL HUNDRED PUNCHED CARDS

FUNDING:
WEST VIRGINIA UNIVERSITY

INVENTORY:

PUBLICATIONS:

CONTACT:
MONTY NOCK 304 293 5603
DEPARTMENT OF GEOLOGY AND GEOGRAPHY
WEST VIRGINIA UNIVERSITY
MORGANTOWN WEST VIRGINIA USA 26506

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	8	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	10	OBS			NUMBER OF OBS DEPENDANT ON PARAMETER
BATHYMETRY	WATER	CORRECTED SOUNDING DEPTH	FEET	4	OBS			INLET PROFILE
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	FEET PER SECOND	6	OBS			
CURRENT DIRECTION	WATER	DIRECTION VANE	EBB OR FLOOD	6	OBS			
PARTICULATE MATTER	WATER	MEMBRANE FILTRATION	MG PER LITER	10	OBS	MONTHLY		
WAVE AMPLITUDE	WATER	FIXED STAFF, VISUAL	FEET	10	OBS	MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
WAVE DIRECTION	WATER	VISUAL	COMPASS DIRECTION	10	OBS	MONTHLY		
WAVE SPEED	WATER	VISUAL	NUMBER PER MINUTE	10	OBS	MONTHLY		

001702

PATUXENT RIVER MARYLAND WETLAND PHOTOGRAPHY
DATA COLLECTED: SEPTEMBER 1970 TO SEPTEMBER 1970

RECEIVED: MARCH 28, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, MARYLAND, PATUXENT RIVER

ABSTRACT:
AN EXPERIMENTAL REMOTE SENSING PROGRAM CONDUCTED FOR THE STATE OF MARYLAND IN SEPTEMBER 1970 RESULTED IN A FILE OF COLOR AND COLOR IR 9X9 PHOTOGRAPHY AT SCALES OF 1 TO 3000, 1 TO 6000, 1 TO 9000 AND 1 TO 12000 OF A 3X10 MILE STRIP OF WETLANDS ON THE PATUXENT RIVER.

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
ONE FOLDER OF 9X9 PHOTOGRAPHS

FUNDING:
STATE OF MARYLAND

INVENTORY:

PUBLICATIONS:

CONTACT:
W.C. COULBOURN, APPLIED TECHNOLOGY 516 575 0574
GRUMMAN ECOSYSTEMS CORPORATION
1111 STEWART AVENUE
BETHPAGE NEW YORK USA 11714

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			
TIME	EARTH	STATION TIME	YMD	1 STATIONS			A 3 BY 10 MILE TEST STRIP OF WETLANDS ON THE PATUXENT RIVER
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	9X9 PHOTOGRAPH	1 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	9X9 PHOTOGRAPH	1 STATIONS			

001703

GEOLOGIC STUDIES IN DELAWARE BAY
DATA COLLECTED: JULY 1970 TO OCTOBER 1972

RECEIVED: MARCH 28, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY

ABSTRACT:
SEDIMENT STRUCTURE IN DELAWARE BAY HAS BEEN STUDIED BY THE USE OF SEDIMENT CORES OBTAINED OVER A THREE YEAR PERIOD

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
100 DATA SHEETS

FUNDING:
DUKE UNIVERSITY

INVENTORY:

PUBLICATIONS:
WEIL, C., MOOSE, R., AND SHERIDAN, R. 1972. STRUCTURE OF TIDAL BUILT SAND RIDGES IN DELAWARE BAY. PROGRAM ANNUAL MEETING GEOLOGICAL SOCIETY AMERICA. 4:703.

CONTACT:
DR. R.E. SHERIDAN 302 738 2000
GEOLOGY DEPARTMENT
UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
730785 730784 730795 730794

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	70	STATIONS			
TIME	EARTH	STATION TIME	YMD	70	OBS			
SEDIMENT STRUCTURE	SEDIMENT	VISUAL	SEDIMENT TYPE	66	OBS	ONCE		SEDIMENT SAMPLES OBTAINED BY PISTON CORE OR VIBRACORE ARE ANALYSED TO DETERMINE PATTERNS OF SEDIMENT DEPOSITION
PHOTOGRAPH	BOTTOM	BLACK AND WHITE	35MM FRAMES	4	OBS	FOUR IN 7		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
		CAMERA			HOURS		

001704

ERTS PHOTOGRAPHIC IMAGES OF THE CHESAPEAKE AND DELAWARE BAY REGIONS
DATA COLLECTED: OCTOBER 1972 TO AUGUST 1973

RECEIVED: MARCH 28, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, DELAWARE BAY

ABSTRACT:
PHOTOGRAPHIC IMAGES TAKEN BY SATELLITE OF THE CHESAPEAKE AND DELAWARE BAY COASTAL REGIONS ARE AVAILABLE AT COST AS PRINTS OR TRANSPARENCIES. THE FOLLOWING IMAGES WITH DATES ARE OF THESE GENERAL REGIONS: 107915133, OCT 10, 1972; 113315141, DEC 3, 1972; 113315144, DEC 3, 1972; 118715140, JAN 26, 1973; 118715142, JAN 26, 1973; 120515141, FEB 13, 1973; 120515144, FEB 13, 1973; 131315141, JUN 1, 1973; 134915134, JUL 7, 1973; 134915141, JUL 7, 1973; 138515131, AUG 12, 1973; 138515134, AUG 12, 1973; 140315125, AUG 30, 1973; 140315132, AUG 30, 1973
(PRINTS ALSO AVAILABLE FROM EROS DATA CENTER, SOUIX FALLS, SOUTH DAKOTA 57198)

DATA AVAILABILITY:
COSTS AS PER NOAA-NESS PRICE LIST

PLATFORM TYPES:
SATELLITE

ARCHIVE MEDIA:
PHOTOPRINTS
FOURTEEN PHOTOGRAPHIC IMAGES

FUNDING:
U.S. DEPARTMENT OF THE INTERIOR

INVENTORY:

PUBLICATIONS:

CONTACT:
PHOTO DOCUMENTATION AREA 202 655 4000
NOAA-NESS
FOB NO. 4
WASHINGTON DISTRICT OF COLUMBIA USA 20233

GRID LOCATOR (LAT):
730767 730766 730765 730777 730776 730775 730774 730787 730786 730785 730784 730797 730796 730795 730794

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	GENERAL AREA	LONGITUDE AND LATITUDE	14	OBS			ERTS IMAGES OF THE CHESAPEAKE AND DELAWARE BAY REGIONS
PHOTOGRAPH	EARTH	COLOR CAMERA FROM SATELLITE		14	OBS			ERTS IMAGES OF THE CHESAPEAKE AND DELAWARE BAY REGIONS

001707

BOTTOM SEDIMENTS OF THE YORK RIVER, SOUTHEASTERN VIRGINIA
DATA COLLECTED: JANUARY 1968 TO DECEMBER 1971

RECEIVED: MARCH 28, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, VIRGINIA, LOWER CHESAPEAKE BAY, YORK RIVER

ABSTRACT:
SEDIMENT MASS PROPERTIES WERE STUDIED AT VARIOUS LOCATIONS ALONG THE YORK RIVER ESTUARY, VIRGINIA. THE DATA WAS USED TO DELINEATE AREAS OF SEDIMENT REMOVAL AND DEPOSITION WITHIN THE ESTUARY.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
SEVERAL 50 PAGE UNPUBLISHED REPORTS - 200 IBM PRINTOUT SHEETS

FUNDING:
THE VIRGINIA INSTITUTE OF MARINE SCIENCE

INVENTORY:

PUBLICATIONS:
GEOLOGICAL SOCIETY OF AMERICA, MEMOIR 133, PP. 337-347; CHESAPEAKE SCIENCE 14, 3, PP. 181-187.

CONTACT:
DR. RICHARD W. FAAS 215 253 6281
LAFAYETTE COLLEGE, CHAIRMAN DEPARTMENT OF GEOLOGY
EASTON PENNSYLVANIA USA 18042

GRID LOCATOR (LAT):
730766 730776 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	9 STATIONS			ONE STATION CONSISTED OF 229.5 M2 GRID ESTABLISHED ON THE BOTTOM OF THE AREA; 8 STATIONS CONSISTED OF SINGLE CORES
TIME	EARTH	STATION TIME	YMD	10 OBS			GRID STATION SAMPLED DURING SUMMERS OF 1969 AND 1970; OTHER STATIONS

00170: BOTTOM SEDIMENTS OF THE YORK RIVER, SOUTHEASTERN VIRGINIA (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
SIZE ANALYSIS	SEDIMENT	SIEVE	PHI AND MM	80	OBS			SAMPLED ONCE DURING SUMMER OF 1971 16 CORES PER GRID, 2 DETERMINATIONS PER CORE; OTHER STATIONS ONE CORE EACH
COHESION	SEDIMENT	VARIOUS	GRAMS PER CUBIC CENTIMETER	88	OBS			EACH OBS CONSISTES OF VALUES FOR IN SITUVANE SHEAR, UNDISTURBED VANE SHEAR, REMOLDED VANE SHEAR
TOTAL SOLIDS	SEDIMENT	DRY WEIGHT	OBS EXPRESSED AS MOISTURE CONTENT OF SAMPLES	176	OBS		OBS TAKEN AT 15CM AND 30CM CORE DEPTHS	OBS EXPRESSED AS MOISTURE CONTENT OF SAMPLES
DENSITY	SEDIMENT	NATURAL WET UNIT WEIGHT	GRAMS PER CUBIC CENTIMETER	176	OBS		OBS TAKEN AT 15CM AND 30CM CORE DEPTHS	
PLASTIC LIMIT	SEDIMENT	THREAD CRUMBLING THRESHOLD	PER CENT	176	OBS		OBS TAKEN AT 15CM AND 30CM CORE DEPTHS	
LIQUID LIMIT	SEDIMENT	PAT TEST	PER CENT	176	OBS		OBS TAKEN AT 15CM AND 30CM CORE DEPTHS	
SALINITY	INTERSTITIAL	INDEX OF REFRACTION	PARTS PER THOUSAND	28	OBS			

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, CHESTER RIVER

ABSTRACT:
CURRENT METER RECORDS COLLECTED DURING THE CHESTER RIVER STUDY FEBRUARY THRU JUNE 1972. 5 CURRENT METER STATIONS WERE ESTABLISHED. SAMPLING OCCURED IN VARIOUS DEPTHS OF WATER WITH EACH STATION HAVING AS MANY AS 3 METERS DEPENDING ON WATER DEPTH. FILE CONTAINS EXACT INFORMATION ON POSITION, TYPE AND NUMBER OF METERS PER STATION, DURATION IN DAYS OF OPERATION, WATER DEPTH, DEPTH OF METER, DAYS OF OPERATION, CURRENT SPEED AND DIRECTION, TEMPERATURE AND CONDUCTIVITY OF WATER. PROJECT WAS A JOINT VENTURE OF THE STATE OF MARYLAND, WESTINGHOUSE ELECTRIC CORPORATION AND NOAA/ERL. ODESSA METERS WERE USED THROUGHOUT SURVEY.
(ACTUAL POSITION OF STATIONS RECORDED IN DEGREES AND MINUTES TO HUNDRETHS)

DATA AVAILABILITY:
DATA IS AVAILABLE ON MAGNETIC TAPE OR AS PRINTOUT FOR COST OF SERVICES

PLATFORM TYPES:
3JOY

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
ONE REEL OF MAGNETIC TAPE

FUNDING:
STATE OF MARYLAND AND WESTINGHOUSE ELECTRIC CORPORATION

INVENTORY:

PUBLICATIONS:
TIDAL CURRENT TABLES, ATLANTIC COAST, 1974

CONTACT:
CHIEF, OCEANOGRAPHIC SURVEY BRANCH 301 496 8050
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	CLOCK TIME	YMDHL	100423	OBS	APPROXIMATELY 1 EVERY 6 MINUTES		TIME RECORDED TO HUNDRETHS OF A MINUTE
POSITION	EARTH	FIXED POINT	DMH	5	OBS	ONCE PER STATION		
DEPTH	WATER	WIRE LENGTH	FEET	5	OBS	ONCE PER STATION	BOTTOM	MEASURED AS LENGTH OF BUOY

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TIDAL CURRENT SPEED	WATER	SAVONIUS ROTOR METER	KNOTS TO TENTHS	100423	OBS	APPROXIMATELY 1 EVERY 6 MINUTES	SENSOR DEPTH VARIES WITH WATER DEPTH	WIRE UP TO 3 SENSORS PER STATION
TIDAL CURRENT DIRECTION	WATER	DIRECTION VANE	NEAREST DEGREE	100423	OBS	APPROXIMATELY 1 EVERY 6 MINUTES	SENSOR DEPTH VARIES WITH WATER DEPTH	UP TO 3 SENSORS PER STATION
TEMPERATURE	WATER	THERMISTOR	DEG C	100423	OBS	APPROXIMATELY 1 EVERY 6 MINUTES	SENSOR DEPTH VARIES WITH WATER DEPTH	UP TO 3 SENSORS PER STATION
ELECTRICAL CONDUCTIVITY	WATER	IN SITU CONDUCTIVITY CELL	MILLIMHOS/CM	100423	OBS	APPROXIMATELY 1 EVERY 6 MINUTES	SENSOR DEPTH VARIES WITH WATER DEPTH	UP TO 3 SENSORS PER STATION
DEPTH	WATER	PRESSURE TRANSDUCER	FEET	100423	OBS	APPROXIMATELY 1 EVERY 6 MINUTES		RECORDED AS SENSOR DEPTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S., COASTAL, MAINE, MASSACHUSETTS, RHODE ISLAND, CONNECTICUT, NEW YORK, NEW JERSEY, PENNSYLVANIA, DELAWARE, MARYLAND, VIRGINIA, NORTH CAROLINA, SOUTH CAROLINA, GEORGIA, FLORIDA, ALABAMA, MISSISSIPPI, LOUISIANA, TEXAS, CALIFORNIA, OREGON, WASHINGTON, ALASKA, HAWAII

ABSTRACT:
OBSERVATIONS AT SUBORDINATE (SECONDARY) TIDAL STATIONS ARE SUMMARIZED IN THIS FILE. THE INFORMATION COMES FROM A SHORT SERIES OF OBSERVATIONS MADE AT THE SUBORDINATE STATIONS. THE DATA IS THEN REDUCED BY COMPARISON WITH SIMULTANIOUS OBSERVATIONS AT ANOTHER STATION HAVING WELL DETERMINED TIDAL CONSTANTS. PARAMETERS INCLUDED ARE: 1-DATES OF OBSERVATIONS, 2-MEAN TIDE LEVEL, 3-MEAN LOW WATER (ATLANTIC COAST) OR MEAN LOWER LOW WATER (PACIFIC COAST), 4-BENCH MARK, 5-TIDAL RANGE.
(EXACT STATION LOCATION GIVEN IN DEGREES AND MINUTES TO TENTHS)

DATA AVAILABILITY:
AVAILABLE AT COST OF REPRODUCTION

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
3000 PAGES IN 47 VOLUMES OF SUMMARIES COVERING 23 STATES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, TIDES BRANCH 301 496 8468
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

GRID LOCATOR (LAT):
740648 740657 740647 740646 740656 740649 740639 740730 740720 740710 740619 740711 740712 740713 740702 740703 740704 740705
730794 730795 730796 730797 730784 730785 730786 730787 730775 730776 730777 730765 730766 730755 730756 730757 730746 730747
730748 730737 730738 730739 730810 730811 730801 720890 720891 720892 720893 720894 720895 720880 720881 720882 720870 720872
720860 720861 720862 720850 720851 720840 720841 720842 720985 720986 720987 720976 720977 720967 720957 731127 731128 731250
731251 731261 731262 731272 731281 731282 731283 731293 731284 741204 741214 741224 741234 741244 741253 741254 741263 741264
741272 741273 741274 741282 741283 741284 741285 7512 7513 7514 7515 7516 7517 7613 7614 7615 7616 7617 7713 7714 7715 7716
711595 711594 711595 711596 721505 721506 721507 731137 731138 731139 731230 731148 731149 731240 721516 721517 721518 721519
721610 721529 721620

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMT	2962	STATIONS	1 PER STATION		
TIME	EARTH	STATION TIME	YMDHTL	15000	DAYS	VARIES FROM A FEW DAYS TO SEVERAL YEARS		
WATER LEVEL	WATER	UNKNOWN	FEET TO HUNDRETHS	2962	DAYS	VARIES FROM A FEW DAYS TO SEVERAL YEARS	SURFACE	TIDE LEVEL, HIGH WATER, LOW WATER, TIDAL RANGE, MEAN LOW WAIER, MEA N LOW LOWER WATER

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, U.S., COASTAL, YORK, JAMES, AND RAPPAHANNOCK, VIRGINIA

ABSTRACT:
6 SURVEYS OF THE VIRGINIA COAST, AND THE YORK, JAMES, AND RAPPAHANNOCK RIVERS. OBSERVATIONS WERE OBTAINED BY THE USE OF CURRENT POLES, AND ROBERTS RADIO CURRENT METERS.

DATA AVAILABILITY:
DATA SHEETS, AVAILABLE AT COST OF REPRODUCTION

PLATFORM TYPES:
SHIP; BUOY

ARCHIVE MEDIA:
DATA SHEETS
APPROXIMATELY 1000 PAGES OF DATA SHEETS

FUNDING:

INVENTORY:

PUBLICATIONS:
TIDAL CURRENTS, VIRGINIA. WYMAN HARRISON. U.S. COAST/. ENGINEERING RESEARCH CENTER, 1964

CONTACT:
CHIEF, OCEANOGRAPHIC SURVEY BRANCH 301 496 8501
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

GRID LOCATOR (LAT):
73077423 73076543 73076533 73076534 73076542 73077504 73076555 73076651 73077601 73077603 73077644 73077643 73077613 73077624

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMT	55	STATIONS	1 PER STATION		
TIME	EARTH	CLOCK TIME	YMDHML	20000	OBS	HALF HOURLY		
TIDAL CURRENT SPEED	WATER	DRIFT DEVICE	KNOTS	10000	OBS	HALF HOURLY	SURFACE	CURRENT POLE
TIDAL CURRENT SPEED	WATER	IMPELLOR METER	KNOTS	10000	OBS	HALF HOURLY	1 TO 30 FEET	ROBERTS RADIO CURRENT METER
TIDAL CURRENT DIRECTION	WATER	DRIFT DEVICE	DEGREES TRUE	10000	OBS	HALF HOURLY	DRIFT DEVICE	CURRENT POLE
TIDAL CURRENT DIRECTION	WATER	IMPELLOR METER	DEGREES TRUE	10000	OBS	HALF HOURLY	1 TO 30 FEET	ROBERTS RADIO CURRENT METER

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, U.S., COASTAL, MARYLAND, VIRGINIA, CHESAPEAKE BAY.

ABSTRACT:
VARIOUS CURRENT SURVEYS OF THE CHESAPEAKE BAY AND MAJOR TRIBUTARIES WERE CONDUCTED IN THE YEARS 1917 TO 1965. MOST STATIONS WERE OCCUPIED FOR AN AVERAGE OF 4 DAYS WITH HALF HOURLY SAMPLES. SAMPLING DEVICES USED INCLUDE CURRENT POLES, PRICE CURRENT METERS, EKMAN CURRENT METERS, ROBERTS RADIO CURRENT METERS, AND VON ARX CURRENT METERS.
(EXACT STATION LOCATION GIVEN IN DEGREES TO TENTHS OF LAT. AND LONG. RANGES AND BEARINGS TO LANDMARKS ALSO GIVEN.)

DATA AVAILABILITY:
DATA SHEETS AVAILABLE AT COST OF REPRODUCTION. SPECIAL PUB. 162, OUT OF PRINT, CHECK LIBRARY.

PLATFORM TYPES:
SHIP; BUOY

ARCHIVE MEDIA:
DATA SHEETS
APPROXIMATELY 1 FILE DRAWER OF DATA SHEETS

FUNDING:

INVENTORY:

PUBLICATIONS:
SPECIAL PUB. NO. 162, TIDES AND CURRENTS IN CHESAPEAKE BAY AND TRIBUTARIES. 1930

CONTACT:
CHIEF, OCEANOGRAPHIC SURVEY BRANCH 301 496 8501
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

GRID LOCATOR (LAT):
730765 730766 730767 730775 730776 730777 730785 730786 730787 730795 730796 730797 740705 740706 740707

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMT	416	STATIONS	1 PER STATION		
TIME	EARTH	CLOCK TIME	YMDHML	80000	OBS	HALF HOURLY		
TIDAL CURRENT SPEED	WATER	DRIFT DEVICE	KNOTS	10000	OBS	HALF HOURLY	SURFACE	CURRENT POLE
TIDAL CURRENT SPEED	WATER	IMPELLOR METER	KNOTS	70000	OBS	HALF HOURLY	1 TO 60 FEET	PRICE, ROBERTS RADIO, VON ARX, EKMAN CURRENT METERS
TIDAL CURRENT DIRECTION	WATER	DRIFT DEVICE	DEGREES TRUE	10000	OBS	HALF HOURLY	SURFACE	CURRENT POLE
TIDAL CURRENT	WATER	IMPELLOR METER	DEGREES TRUE	50000	OBS	HALF HOURLY	1 TO 60 FEET	ROBERTS RADIO,

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PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DIRECTION							EKMAN, AND VON ARX CURRENT METERS

001760

TIDAL CURRENTS, DELAWARE BAY AND RIVER
DATA COLLECTED: AUGUST 1924 TO NOVEMBER 1959

RECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE, DELAWARE BAY, DELAWARE RIVER

ABSTRACT:
A SERIES OF 5 SURVEYS OF THE DELAWARE BAY AND RIVER WERE MADE FROM 1924 TO 1959. 42 STATIONS WERE SAMPLED IN 1924 USING CURRENT POLES AND PRICE CURRENT METERS. IN 1929 A SURVEY WAS CONDUCTED BY THE ARMY CORPS OF ENGINEERS OF THE INDIAN RIVER INLET. IN 1947, 62 STATIONS IN THE BAY WERE SAMPLED AGAIN USING CURRENT POLES AND PRICE CURRENT METERS. THE 1953 SURVEY OF THE BAY USES 26 STATIONS SAMPLED WITH CURRENT POLES. PRICE METERS AND USUALLY ONE ROBERTS RADIO CURRENT METER PER STATION. IN 1959, 2 STATIONS WERE SAMPLED FROM THE BAY ENTRANCE AND 2 FROM THE RIVER ENTRANCE.
(EXACT STATION LOCATION IN DEGREES LAT. AND LONG. TO TENTHS. RANGES AND BEARINGS TO LANDMARKS ALSO GIVEN.)

DATA AVAILABILITY:
DATA SHEETS, AVAILABLE AT COST OF REPRODUCTION

PLATFORM TYPES:
SHIP; BUOY

ARCHIVE MEDIA:
DATA SHEETS
APPROXIMATELY 1300 PAGES OF DATA SHEETS

FUNDING:

INVENTORY:

PUBLICATIONS:
TIDAL CURRENT CHARTS, DELAWARE BAY AND RIVER. U.S.C. AND G.S. 1948. TIDES AND CURRENTS IN DELAWARE BAY AND RIVER. L.M. ZESKIND. 1926. SPECIAL PUB. NO 123

147

CONTACT:
CHIEF, OCEANOGRAPHIC SURVEY BRANCH 301 496 8501
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

GRID LOCATOR (LAT):
73078445 73078540 73078541 73078542 73078543 73078455 73078550 73078551 73078552 73078553 73079405 73079500 73079501 73079502
73079503 73079451 73079510 73079511 73079512 73079513 73079425 73079520 73079521 73079522 73079523 73079435 73079530 73079531
73079532 73079533

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMT	135	STATIONS	1 PER STATION		
TIME	EARTH	CLOCK TIME	YMDHML	20000	OBS	HALF HOURLY		AVERAGE 3 DAYS OBS. PER STATION
TIDAL CURRENT SPEED	WATER	DRIFT DEVICE	KNOTS	5000	OBS	HALF HOURLY	SURFACE	CURRENT POLE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TIDAL CURRENT SPEED	WATER	IMPELLOR METER	KNOTS	15000	OBS	HALF HOURLY	7 TO 65 FEET	PRICE AND ROBERTS RADIO CURRENT METERS
TIDAL CURRENT DIRECTION	WATER	DRIFT DEVICE	DEGREES TRUE	5000	OBS	HALF HOURLY	SURFACE	CURRENT POLE
TIDAL CURRENT DIRECTION	WATER	IMPELLOR METER	DEGREES TRUE	5000	OBS	HALF HOURLY	7 TO 65 FEET	ROBERTS RADIO CURRENT METER

001762

TIDAL BENCH MARK DATA FILE
DATA COLLECTED: 1929 TO PRESENT

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S., COASTAL, MAINE, NEW HAMPSHIRE, MASSACHUSETTS, RHODE ISLAND, CONNECTICUT, NEW YORK, NEW JERSEY, PENNSYLVANIA, DELAWARE, MARYLAND, DISTRICT OF COLUMBIA, VIRGINIA, NORTH CAROLINA, SOUTH CAROLINA, GEORGIA, FLORIDA, ALABAMA, MISSISSIPPI, LOUISIANA, TEXAS, CALIFORNIA, OREGON, WASHINGTON, ALASKA, HAWAII

ABSTRACT:
THIS FILE CONTAINS TIDAL BENCH MARK INFORMATION FOR THE COASTAL UNITED STATES. THE FILE HAS BENCH MARKS FOR OVER 2000 LOCATIONS. EACH LOCATION IS ON ONE PAGE OF A VOLUME, THERE ARE 33 VOLUMES COVERING THE COAST. EACH DATA SHEET CONTAINS GENERAL GEOGRAPHICAL AREA OF THE STATIONS, THE EXACT POSITION AND ELEVATION OF EACH INDIVIDUAL BENCH MARK IS GIVEN. THE DATE OF THE SURVEY IS ALSO GIVEN. DATA CAN BE GIVEN OUT AS A COPY OF THE DATA SHEETS. A MAP IS ALSO AVAILABLE FOR EACH STATE GIVING BENCH MARK LOCATIONS.
(ACTUAL STATION LOCATION, LATITUDE, LONGITUDE, ELEVATION IN FEET ABOVE MLW OR LLW)

DATA AVAILABILITY:
ALL DATA IS AVAILABLE AT COST OF REPRODUCTION

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS; REPORTS; CHARTS
INDIVIDUAL SHEETS ON EACH STATION LOCATION (APPROX. 33 VOLUMES, 1 INCH THICK).

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, TIDES BRANCH 301 496 8468
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

GRID LOCATOR (LAT)*
740648 740657 740647 740646 740656 740649 740639 740730 740720 740710 740619 740711 740712 740713 740702 740703 740704 740705
730794 730795 730796 730797 730784 730785 730786 730787 730775 730776 730777 730765 730766 730755 730756 730757 730746 730747
730748 730737 730738 730739 730810 730811 730801 720890 720891 720892 720893 720894 720895 720880 720881 720882 720870 720872
720860 720861 720862 720850 720851 720840 720841 720842 720985 720986 720987 720976 720977 720967 720957 731127 731128 731250
731251 731261 731262 731272 731281 731282 731283 731293 731284 741204 741214 741224 741234 741244 741253 741254 741263 741264
741272 741273 741274 741282 741283 741284 741285 7512 7513 7514 7515 7516 7517 7613 7614 7615 7616 7617 7713 7714 7715 7716
711595 711594 711595 711596 721505 721506 721507 731137 731138 731139 731230 731148 731149 731240 721516 721517 721518 721519
721610 721529 721620

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMT	10000 OBS			BENCH MARKS
ALTITUDE	LAND	DIRECT	FEET TO HUNDRETHS	10000 OBS		FROM MLW ON THE EAST COAST, MLLW ON THE WEST COAST	BENCH MARKS
TIME	EARTH	STATION TIME	YEAR	10000 OBS			YEAR OF MEASUREMENT

00176

YEARLY SUMMARIES OF CONTROL TIDAL STATIONS
DATA COLLECTED: 1900 TO PRESENT

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, NORTH PACIFIC, U.S., COASTAL, ALASKA, ATLANTIC COAST, PACIFIC COAST, GULF OF MEXICO, ATLANTIC AND CARIBBEAN ISLANDS, PACIFIC ISLANDS

ABSTRACT:
SUMMARIES OF DATA TAKEN AT CONTROL TIDE STATIONS ARE INCLUDED IN THIS FILE. PARAMETERS DESCRIBED ARE MONTHLY MEANS AND EXTREMES, HIGHEST TIDES, LOWEST TIDES, HIGH WATER INTERVAL (GREENWICH), LOW WATER INTERVAL (GREENWICH), HIGH WATER, LOW WATER, RANGE, TIDE LEVEL, SEA LEVEL, DIFFERENCE BETWEEN TIDE LEVEL AND SEA LEVEL, AND HIGHEST DAILY SEA LEVEL. THE DATA IS PRESENTED IN TABULAR FORM WITH EACH PAGE CONTAINING ONE PARAMETER MEASURED OVER A NUMBER OF YEARS.

DATA AVAILABILITY:
AVAILABLE AT COST OF REPRODUCTION

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS; MICROFICHE
APPROXIMATELY 5 FILE DRAWERS OF DATA SHEETS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, TIDES BRANCH 301 496 8468
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

GRID LOCATOR (LAT):
7406465549 7406473193 7406482132 7406490066 7407304105 7407300455 7407212013 7407104360 7407104347 7407103410 7407101076
7407114284 7407113200 7407122026 7407131101 7407110538 7407035075 7407035147 7407034487 7407044021 7407042081 7307942215
7307845588 7307955078 7307953334 7307854076 7307961365 7307865299 7307865383 7307875021 7307863044 7307861297 7307860382
7106775082 7307751509 7307665270 7307664198 7307552310 7307471547 7307384013 7307294575 7308200524 7308014208 7308012246
7208901519 7208504068 7208414042 7208413438 7208610488 7208613592 7208724367 7208930082 7308040141 7208944539 7308472143
7208991568 7209912223 7209934521 7209941497 7209941477 7209855179 7209870013 7209873236 7209670143 7209670049 7306242422
7207594148 7106862075 7311273048 7311274130 7311375125 7311373563 7311384153 7311394136 7311385187 7311492216 7312501404
7312724288 7312724168 7412144152 7412342119 7412443083 7412543535 7412631436 7412723260 7412822187 7412833030 7513512307
7513841285 7513750230 7513952179 7513993434 7614053436 7614090267 7515912163 7615014214 7614191544 7516365332 7515724249
7517165319 1517244044 1517235101 7215172486 7115954044 7215171582 7215065248 7215195281 7217871232 7116694351 1016874444
1116961377 1015712571 5117401471 1114342369

001763 YEARLY SUMMARIES OF CONTROL TIDAL STATIONS (CONT.) PAGE 02

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMT	114 STATIONS	1 PER STATION		CONTROL TIDE STATIONS
WATER LEVEL	WATER	UNKNOWN	FEET TO HUNDRETHS	15000 MOS	1 PER MONTH	SURFACE	SEA LEVEL, HIGHEST DAILY SEA LEVEL, DIFFERENCE BETWEEN TIDE LEVEL AND SEA LEVEL
TIME	EARTH	SAMPLING TIME	YMHS	15000 MOS	1 PER MONTH		HIGH AND LOW WATER (GREENWICH)

001764

A.D.R. TIDE FILE - MONTHLY SUMMARIES
DATA COLLECTED: DECEMBER 1963 TO PRESENT

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, NORTH PACIFIC, U.S., COASTAL, ALASKA, PACIFIC ISLANDS

ABSTRACT:
FILE CONTAINS MONTHLY SUMMARIES OF TIMES OF HIGH AND LOW WATER AT CONTROL TIDAL STATIONS AROUND THE COASTAL UNITED STATES, ATLANTIC AND PACIFIC ISLANDS. FILE IS MAINTAINED FOR A TWO YEAR PERIOD AFTER WHICH THEY ARE FILED. AFTER ABOUT 10 YEARS DATA IS SENT TO THE NATIONAL ARCHIVES FOR PERMANENT STORAGE. ALL DATA ARE AVAILABLE AS PRINT-OUT, MAGNETIC TAPE, OR MICROFICHE.

DATA AVAILABILITY:
ALL DATA AVAILABLE AT COST OF REPRODUCTION

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL; REPORTS; MICROFICHE
10 FILE DRAWERS OF REPORTS. ONE FOR EACH STATION. 3 REELS OF MAGNETIC TAPE.

FUNDING:

INVENTORY:

PUBLICATIONS:
SUMMARY REPORTS FOR EACH STATION ARE AVAILABLE.

CONTACT:
CHIEF, TIDES BRANCH 301 496 8468
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

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GRID LOCATOR (LAT):
7311375125 7412443083 7412723260 7412833030 7513852581 7215171582 7308014208 7308012246 7208901519 7208504068 7208414042
7208413438 7208610488 7208613592 7208724367 7208930082 7308040141 7208944539 7308472143 7209912223 7209941477 7209855179
7209673236 7209676143 7209670049 7209724093 7306242422 7106862075 7106775082 7308081054 7307761350 7407121102 7307655508
7307464430 7406465549 7406482132 7407304105 7407300455 7407212013 7407104360 7407104347 7407103410 7407101076 7407114284
7407113200 7407122026 7407131101 7407110538 7407035075 7407035447 7407034487 7407042081 7307845588 7307955078 7307961365
7307865299 7307865383 7307875021 7307861297 7307751509 7307665270 7307664198 7307471547 7307384513 7307294575 7308200524

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMH	68	OBS	ONCE PER STATION		
TIME	EARTH	CLOCK TIME	YMDHL	4	OBS	MOST 4 PER DAY		TIME OF HIGH AND LOW WATER
WATER LEVEL	WATER	VARIOUS	FEET TO HUNDRETHS	4	OBS	MOST 4 PER DAY		

001765 TIDE FILE - MONTHLY SUMMARY - CONTROL STATIONS PAGE 01
DATA COLLECTED: 1854 TO PRESENT RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, NORTH PACIFIC, U.S., COASTAL, ALASKA, PACIFIC ISLANDS

ABSTRACT:
THIS FILE CONTAINS TIDE HEIGHTS, TIMES OF HIGH AND LOW WATER FOR THOSE TIDE STATIONS WHICH ARE NOT AUTOMATED. DATA SHEETS CONTAIN INFORMATION ON TIDAL HEIGHT, PERIOD, ETC. DATA IS AVAILABLE AS COPY OF DATA SHEETS, ONE SHEET FOR EACH MONTH. DATA IS KEPT ON STATION FOR A 10 YEAR PERIOD AFTER WHICH IT IS FORWARDED TO THE ARCHIVES. DATA IS MAINTAINED IN TWO YEARLY UNITS OF MONTHLY SUMMARIES.

DATA AVAILABILITY:
ALL DATA AVAILABLE AT COST OF REPRODUCTION

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS; REPORTS; MICROFICHE
8 FILE DRAWERS OF REPORTS AND DATA SHEETS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, TIDES BRANCH 301 496 8468
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

GRID LOCATOR (LAT):
7406473193 7406490066 7307942215 7307953344 7307854076 7307863044 7307860382 7307552310 7208991568 7209934521 7209941497
7209870013 7207594148 7215172468 7115954044 7215065248 7215195281 7217871232 7216694351 1016874444 1116961377 1015712571
5117401471 1114342369 7311273058 7311274130 7311373563 7311384153 7311384136 7311385287 7311492216 7312501404 7312724288
7312724168 7412144152 7412342119 7412543535 7412631436 7412842327 7513512307 7513841285 7513750203 7513952179 7513993434
7314053436 7614090267 7515912436 7615014214 7614191544 7616365332 7615724249 7617165319 1517244044 1517235101 7513852581

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMH	55	OBS	ONCE PER STATION		
TIME	EARTH	CLOCK TIME	YMDHL	4	OBS	MOST 4 PER DAY		TIME OF HIGH AND LOW WATER
WATER LEVEL	WATER	VARIOUS	FEET TO HUNDRETHS	4	OBS	MOST 4 PER DAY		

001766

HYDROGRAPHIC SURVEYS
DATA COLLECTED: 1834 TO PRESENT

RECEIVED: FEBRUARY 28, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S., COASTAL, MAINE, NEW HAMPSHIRE, MASSACHUSETTS, RHODE ISLAND, CONNECTICUT, NEW YORK, NEW JERSEY, PENNSYLVANIA, DELAWARE, MARYLAND, DISTRICT OF COLUMBIA, VIRGINIA, NORTH CAROLINA, SOUTH CAROLINA, GEORGIA, FLORIDA, ALABAMA, MISSISSIPPI, LOUISIANA, TEXAS, CALIFORNIA, OREGON, WASHINGTON, ALASKA, HAWAII

ABSTRACT:
DATA BASE CONSISTS OF OVER 23,000 INDIVIDUAL HYDROGRAPHIC SURVEYS SINCE 1834. THESE SURVEYS ARE RECORDED ON BOAT SHEETS ON THE VESSEL AS THE SURVEY IS TAKEN, THEN SENT TO THE HYDROGRAPHIC DATA SECTION FOR PROCESSING
(SURVEYS COVER ALL COASTAL U.S. AND POSSESSIONS.)

DATA AVAILABILITY:
AVAILABLE AT COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
X-Y PLOTS
OVER 23,000 INDIVIDUAL SURVEY SHEETS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, HYDROGRAPHIC DATA SECTION, CODE 3233 301 496 8408
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

GRID LOCATOR (LAT):
740648 740657 740647 740646 740656 740649 740639 740730 740720 740710 740619 740711 740712 740713 740702 740703 740704 740705
730794 730795 730796 730797 730784 730785 730786 730787 730775 730776 730777 730765 730766 730755 730756 730757 730746 730747
730748 730737 730738 730739 730810 730811 730801 720890 720891 720892 720893 720894 720895 720880 720881 720882 720870 720872
720860 720861 720862 720850 720851 720840 720841 720842 720985 720986 720987 720976 720977 720967 720957 731127 731128 731250
731251 731261 731262 731272 731281 731282 731283 731293 731284 741204 741214 741224 741234 741244 741253 741254 741263 741264
741272 741273 741274 741282 741283 741284 741285 7512 7513 7514 7515 7516 7517 7613 7614 7615 7616 7617 7713 7714 7715 7716
711595 711594 711595 711596 721505 721506 721507 731137 731138 731139 731230 731148 731149 731240 721516 721517 721518 721519
721610 721529 721620

001766

HYDROGRAPHIC SURVEYS (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	VARIOUS	DMST	23000 OBS			DATA RECORDED ON BOAT SHEETS
TIME	EARTH	STATION TIME	YMDHM	23000 OBS			
BATHYMETRY	WATER	VARIOUS	MOSTLY FATHOMS OR FEET	23000 OBS		MEAN LOW OR MEAN LOWER LOW WATER TO BOTTOM	NUMBER OF OBS VARIES WITH EACH SURVEY AS DOES THE METHOD

001767 AERIAL PHOTOGRAPHS PAGE 01

DATA COLLECTED: 1927 TO PRESENT RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S., COASTAL, MAINE, NEW HAMPSHIRE, MASSACHUSETTS, RHODE ISLAND, CONNECTICUT, NEW YORK, NEW JERSEY, PENNSYLVANIA, DELAWARE, MARYLAND, DISTRICT OF COLUMBIA, VIRGINIA, NORTH CAROLINA, SOUTH CAROLINA, GEORGIA, FLORIDA, ALABAMA, MISSISSIPPI, LOUISIANA, TEXAS, CALIFORNIA, OREGON, WASHINGTON, ALASKA, HAWAII

ABSTRACT:
THIS FILE CONTAINS AERIAL PHOTOGRAPHS USED BY THE NATIONAL OCEAN SURVEY IN CONNECTION WITH NAUTICAL AND AERONAUTICAL CHARTING PROGRAMS. PHOTOGRAPHS ARE AVAILABLE FOR MOST OF THE COASTAL AREAS OF THE UNITED STATES. AERIAL PHOTOGRAPHS ARE AVAILABLE AS CONTACT PRINTS, ENLARGEMENTS, FILM POSITIVES, NEGATIVES; SOME COLOR PHOTOGRAPHY IS AVAILABLE FOR SOME REGIONS. SINGLE-LENS PHOTOGRAPHS ARE USUALLY TAKEN AT 1:10,000, 1:20,000, 1:24,000, 1:30,000 OR 1:40,000 SCALE. THE SCALES ARE APPROXIMATE DUE TO SHRINKAGE OR EXPANSION OF PAPER, UNCERTAINTY IN REPORTED FLIGHT ALTITUDE, TIP AND TILT OF THE AIRCRAFT AND THE EFFECT OF GROUND RELIEF.

DATA AVAILABILITY:
ALL PHOTOGRAPHS AVAILABLE AT COST OF REPRODUCTION. CONTACT PRINTS $2.00 EACH. ENLARGEMENTS $4.00 TO $8.00. COLOR PHOTOGRAPHS $7.00 EACH.

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
ALL PHOTOS AVAILABLE AT COST OF REPRODUCTION. CONTACT PRINTS $3.00 EACH. ENLARGEMENTS $8.00. COLOR PHOTOS $9.00 EACH.

FUNDING:

INVENTORY:

PUBLICATIONS:
LEAFLET: NATIONAL OCEAN SURVEY - REPRODUCTIONS OF AERIAL PHOTOGRAPHS - AVAILABLE FREE. INDEX OF PHOTOGRAPHY ON 1:250,000 BASE MAPS AVAILABLE AT $0.50 UPON REQUEST.

CONTACT:
CHIEF, PHOTOMAP AND IMAGERY INFORMATION SECTION 301 496 8601
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

GRID LOCATOR (LAT):
740648 740657 740647 740646 740656 740649 740639 740730 740720 740710 740619 740711 740712 740713 740702 740703 740704 740705
730794 730795 730796 730797 730784 730785 730786 730787 730775 730776 730777 730765 730766 730755 730756 730757 730746 730747
730748 730737 730738 730739 730810 730811 730801 720890 720891 720892 720893 720894 720895 720880 720881 720882 720870 720872
720860 720861 720862 720850 720851 720840 720841 720842 720985 720986 720987 720976 720977 720967 720957 731127 731128 731250
731251 731261 731262 731272 731281 731282 731283 731293 731284 741204 741214 741224 741234 741244 741253 741254 741263 741264
741272 741273 741274 741282 741283 741284 741285 7512 7513 7514 7515 7516 7517 7613 7614 7615 7616 7617 7713 7714 7715 7716
711595 711594 711595 711596 721505 721506 721507 731137 731138 731139 731230 731148 731149 731240 721516 721517 721518 721519
721610 721529 721620

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	STATION TIME	YMDL	39	YRS			
POSITION	EARTH	FIXED POINT		39	YRS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT		39	YRS		SURFACE	ONE PRINT ON FILE FOR MOST AREAS OF THE U.S. COAST
PHOTOGRAPH	EARTH	BLACK AND WHITE CAMERA FROM AIRCRAFT		39	YRS		SURFACE	ONE PRINT ON FILE FOR MOST AREAS OF THE U.S. COAST
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT		39	YRS		SURFACE	ONE PRINT ON FILE FOR MOST AREAS OF THE U.S. COAST

001827 SHELF OBSERVATIONS-HYDROGRAPHY, CRUISE OF AUGUST 21-26, 1962 PAGE 01
DATA COLLECTED: AUGUST 1962 TO AUGUST 1962 RECEIVED: MARCH 03, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CONTINENTAL SHELF OFF CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
SURFACE TO BOTTOM PROFILES OF WATER TEMPERATURE, SALINITY AND DENSITY WERE OBTAINED AT 25 STATIONS IN THE CONTINENTAL SHELF WATERS OFF THE CHESAPEAKE BAY DURING AUGUST 1962. DISSOLVED OXYGEN LEVELS WERE MEASURED AT SURFACE AND BOTTOM DEPTHS, AND CURRENT DIRECTIONS WERE RECORDED.

DATA AVAILABILITY:
THE DATA ARE AVAILABLE IN THE FORM OF REPORTS FROM VIMS AT THE COST OF REPRODUCTION. THE RESULTS OF THE STUDY HAVE BEEN PUBLISHED IN THE VIMS SPECIAL SCIENTIFIC REPORT 41

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
839 OBS

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS SPECIAL SCIENTIFIC REPORT NO 41

CONTACT:
LIBRARIAN 703 642 2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	25	STATIONS			
TIME	EARTH	STATION TIME	YMDHL	25	STATIONS			
DEPTH	WATER	UNCORRECTED SOUNDING DEPTH BASED ON 4800 FT/SEC	FEET	25	OBS			
TEMPERATURE	WATER	THERMISTOR	DEG C	245	OBS		SURFACE TO BOTTOM PROFILE	
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	245	OBS		SURFACE TO BOTTOM PROFILE	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DENSITY	WATER	CALCULATED AS SIGMA-T	SIGMA T	245	OBS		SURFACE TO BOTTOM PROFILE	
DISSOLVED OXYGEN GAS	WATER	TITRATION	MG PER LITER	50	OBS		SURFACE AND BOTTOM	WINKLER
CURRENT DIRECTION	WATER	DRIFT DEVICE	RECOVERY LOCATION	29	OBS			

001832

SEDIMENT ANALYSIS STATISTICS FILE
DATA COLLECTED: 1972 TO PRESENT

RECEIVED: APRIL 01, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S., COASTAL, HAWAII, CALIFORNIA, WASHINGTON, OREGON, GULF OF MEXICO, FLORIDA TO NEW YORK

ABSTRACT:
DATA IS TAKEN BY FIELD SURVEYS BY C.E.R.C. FIELD PARTIES, DISTRICT SURVEY PARTIES, OR UNDER CONTRACT BY COMMERCIAL FIRMS. THE SAND SAMPLES ANALYZED ARE GRAB SAMPLES TAKEN FROM BEACHES OR BOTTOM SURFACES, SUSPENDED SAMPLES TAKEN FROM WATER, OR CORE SAMPLES OBTAINED FROM OFFSHORE OR ONSHORE LOCATIONS. SIZE ANALYSIS ARE MADE BY MECHANICAL (HYDROLIC) MEASUREMENT OF FALL VELOCITY. APPLICATIONS PROGRAMS APPLIED TO RAW DATA ARE: PLOT SEDIMENT SIZE ANALYSIS GRAPH; EDIT, VERIFY, REFORMAT, LIST GEOLOGICAL SAMPLE INFORMATION; REDUCE RAW DATA IN FORM OF A DIGITALIZED DECAY VS. TIME CURVE TO A SEDIMENT SIZE FREQUENCY DISTRIBUTION AND COMPUTES STATISTICAL MOMENTS OF THE DISTRIBUTION.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP; FIXED STATION

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
3 REELS OF MAGNETIC TAPE

FUNDING:

INVENTORY:

PUBLICATIONS:
LABORATORY MANUAL-GEOLOGY BRANCH REFERENCE MANUAL FOR GEOLOGIC SAMPLE INFORMATION DATA BASE

CONTACT:
GEOLOGY BRANCH 202 325 7049
DEPARTMENT OF THE ARMY, COASTAL ENGINEERING RESEARCH CENTER
KINGMAN BUILDING
FORT BELVOIR VIRGINIA USA 22060

GRID LOCATOR (LAT):
731272 731138 731137 731261 731149 741204 731282 731140 741214 731283 731148 731293 731262 731250 731251 731127 731272 740846 740836 740826 740816 740857 740853 740843 740813 740878 740865 740864 740869 740833 740832 721518 721529 730710 730785 730775 730755 730765 720977 740619 730805 730806 730807 720860 730811

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	UNKNOWN	DM	25000	OBS	400 OBS/MONTH		
SIZE ANALYSIS	SEDIMENT	SETTLING/ WEIGHING	PHI UNITS	25000	OBS	400 OBS/MONTH	BOTTOM TO DEPTH OF CORE	MEASUREMENT OF FALL VELOCITY, RAPID SEDIMENT ANALYZER
TIME	EARTH	STATION TIME	YMD	25000	OBS	400 OBS/MONTH		

001835

DIGITIZED PEAKS AND TROUGHS FROM PEN AND INK WAVE DATA
DATA COLLECTED: DECEMBER 1970 TO AUGUST 1971

RECEIVED: APRIL 01, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, U.S., COASTAL, ATLANTIC CITY NEW JERSEY, VIRGINIA BEACH VIRGINIA, NAGS HEAD NORTH CAROLINA, DAYTONA BEACH FLORIDA, CHESAPEAKE BAY BRIDGE TUNNEL, HOLDEN BEACH NORTH CAROLINA, WRIGHTSVILLE BEACH NORTH CAROLINA

ABSTRACT:
DATA INCLUDES DIGITIZED WAVE PEAKS AND TROUGHS FROM PEN AND INK WAVE RECORDS FOR 7 BEACHES ALONG THE EAST COAST OF THE UNITED STATES FOR A SHORT PERIOD OF TIME-LESS THAN ONE DAY EACH-DEC 14,15,16 1970,31 DEC 1970, 27 AUG 1971.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
PUNCHED CARDS
APPROXIMATELY 6000 PUNCHED CARDS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
MR E. THOMPSON / OCEANOGRAPHY BRANCH 202 325-7399
DEPARTMENT OF THE ARMY,COASTAL ENGINEERING RESEARCH CENTER
KINGMAN BUILDING
FORT BELVOIR VIRGINIA USA 22060

GRID LOCATOR (LAT):
7307942215 7307655518 7307555365 7208900598 7307665087 7307385147 7307471427

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMS	7	STATIONS	1/STATION		
TIME	EARTH	CLOCK TIME	YMDHMS	3	DAYS	CONTINUOUS		
WAVE AMPLITUDE	WATER	ACCELEROMETER	FEET	2	OBS	PER WAVE CYCLE	SURFACE	PEAKS AND TROUGHS DIGITIZED

00183

OCEAN WAVE DATA
DATA COLLECTED: MAY 1966 TO PRESENT

RECEIVED: APRIL 01, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, NORTH PACIFIC, U.S., COASTAL, VIRGINIA, NEW JERSEY, NORTH CAROLINA, GEORGIA, CALIFORNIA

ABSTRACT:
FILE CONTAINS RECORDS OF WAVE HEIGHTS FROM ATLANTIC CITY, NEW JERSEY; VIRGINIA BEACH VIRGINIA; NAGS HEAD, NORTH CAROLINA; DAYTONA BEACH, FLORIDA; LAKE WORTH FLORIDA; NAPLES FLORIDA; WRIGHTSVILLE BEACH NORTH CAROLINA; CHESAPEAKE BAY BRIDGE-TUNNEL VIRGINIA; HOLDEN BEACH NORTH CAROLINA; SAVANNA LIGHT GEORGIA; DESTIN FLORIDA; POINT MUGU, HUNTINGTON BEACH CALIFORNIA. DATA IS RECIEVED FROM AUTOMATED WAVE GAGES. DATA IS BASIC WAVE DATA FOR ESTABLISHING WAVE CLIMATOLOGY AND FOR SPECIAL RESEARCH PROJECTS. APPLICATIONS PROGRAMS HAVE BEEN WRITTEN BY THE C.E.R.C. ADP STAFF FOR THE FOLLOWING FUNCTIONS: COMPUTES SPECTRA AND CROSS-SPECTRA OF TIME SERIES USING A FAST FOURIER TRANSFORM. SELECTS, EDITS, AND VERIFYS DATA RECORDS FOR FURTHER PROCESSING. COMPUTES DISTRIBUTION FUNCTION OF DATA POINTS AND SELECTED MOMENTS. COMPUTES SELECTED PARAMETERS OF ENERGY SPECTRUM. COMPUTES NORMALIZED ENERGY BAND SPECTRUM, ENERGY LINE SPECTRUM. SELECTES, SORTS, AND BLOCKS DATA BY LOCATION AND TIME. COMPUTES MEAN AND STANDARD DEVIATION OF EACH BLOCK OF DATA. COMPARES TWO SETS OF WAVE HEIGHTS AND PERIODS, FOR DATA OBTAINED FROM DIFFERING ANALYSIS METHODS FROM THE SAME GAGE, OR FROM TWO DIFFERENT LOCATIONS. COMPUTES JOINT DISTRIBUTION TABLES OF HEIGHTS, PERIOD AND HEIGHT-RATIO AND HEIGHT, PERIOD AND HEIGHT-RATIO STATISTICS. COMPUTES JOINT DISTRIBUTION TABLES OF WAVE HEIGHT VS PERIOD, HEIGHT VS. DEPTH, HEIGHT VS. TIME OF DAY, AND RATIO OF WAVE HEIGHT AT SURFACE TO DEPTH WITH PEAK PERIOD. COMPUTES SPECTRA AND SUMMARIZES BY BANDS. COMPUTES JOINT DISTRIBUTION OF WAVE HEIGHTS VS. PERIODS. LISTS DAILY SPECTRA AT SYNOPTIC TIMES. COMPUTES JOINT DISTRIBUTION TABLES OF HEIGHT AND PERIOD, COMPUTES SEASONAL AND ANNUAL SUMMARIES. PLOTS WAVE HEIGHT DISTRIBUTION CURVE ON SEMIGRAPH. COMPUTES HEIGHTS AND PERIODS OF EACH WAVE. RANKS HEIGHTS AND COMPUTES CUMULATIVE FREQUENCY DISTRIBUTION. SCALES HEIGHTS AND PLOTS ON RAYLEIGH PAPER. COMPUTES TIME SERIES CORRESPONDING TO THEORETICAL FOURIER SPECTRA.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
350 REELS OF TAPE

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FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. D.L. HARRIS / OCEANOGRAPHY BRANCH 202 325 7397
DEPARTMENT OF THE ARMY,COASTAL ENGINEERING RESEARCH CENTER
KINGMAN BUILDING
FORT BELVOIR VIRGINIA USA 22060

GRID LOCATOR (LAT):
7307942215 7307555366 7307655510 7311490079 7208900598 7208604032 7208610488 7308 2235 7307471427 7307665087 7307385147
7308105471 7311373589

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	CLOCK TIME	YMDHMST	1	OBS	ONE READING EVERY 1/4 SECOND		
POSITION	EARTH	FIXED POINT	DMS	13	STATIONS	ONE/STATION		
WAVE AMPLITUDE	WATER	ACCELEROMETER	FEET TO TENTHS	1	OBS	ONE READING EVERY 1/4 SECOND	SURFACE	

001835

COOPERATIVE SURF OBSERVATION FILE
DATA COLLECTED: SEPTEMBER 1954 TO PRESENT

RECEIVED: APRIL 01, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S., COASTAL, ATLANTIC CITY NEW JERSEY, ATLANTIC NORTH CAROLINA, CAPE DECISION ALASKA, CAPE FLATTERY WASHINGTON, CAPE HINCHINBROOK ALASKA, CAPE ST. ELIAS ALASKA, CAPE SAN BLAS FLORIDA, CAPE SARICHEF ALASKA, GRAND ISLE LOUISIANA, HAMPTON BEACH NEW HAMPSHIRE, HILLSBORO INLET FLORIDA, MONMOTH BEACH NEW JERSEY, MOOSE PEAK MAINE, NAGS HEAD NORTH CAROLINA, NAUSET MASSACHUSETTS, OAK ISLE NORTH CAROLINA, OCEAN CAPE ALASKA, OCEAN CITY MARYLAND, PIERDRAS BLANCAS CALIFORNIA, POINT ARENA CALIFORNIA, POINT VARGUELLO CALIFORNIA, POINT CONCEPTION CALIFORNIA, POINT JUDITH RHODE ISLAND, POINT LOMA CALIFORNIA PONCE DE LEON FLORIDA, RACE POINT MASSACHUSETTS, ST. SIMON ISLAND GEORGIA, SANTA ROSA ISLAND FLORIDA, SHORT BEACH NEW YORK, SPRUCE CAPE ALASKA, STRATFORD POINT CONNECTICUT, TOMS RIVER NEW JERSEY, UMPQUA RIVER OREGON, VIRGINIA BEACH VIRGINIA, WILLAPA BAY WASHINGTON, YAQUINA BAY OREGON

ABSTRACT:
THIS FILE CONTAINS VISUAL OBSERVATIONS OF OCEAN WAVE HEIGHT, PERIOD, DIRECTION AND BREAKER TYPE FOR BREAKING WAVES IN THE SURF ZONE OBSERVED BY U.S. COAST GUARD PERSONNEL AT VARIOUS STATIONS ALONG THE COAST IN COOPERATION WITH CERC AND ARE RECORDED ON SURF OBSERVATION FORMS. GENERALLY OBSERVATIONS ARE MADE 6 TIMES DAILY AT 4 HOUR INTERVALS. OBJECTIVES OF THE PROGRAM ARE TO PROVIDE SCIENTISTS AND ENGINEERS A KNOWLEDGE OF SURF ZONE WAVE CLIMATOLOGY FOR USE IN RESEARCH AND IN DESIGN OF COASTAL STRUCTURES. RECORDS FOR EACH STATION ARE NOT CONTINUOUS, GAPS EXIST IN DATA COLLECTING. APPLICATION PROGRAMS HAVE BEEN WRITTEN BY THE C.E.R.C. ADP STAFF TO SORT DATA BY DATE, COMPUTE TEN STATISTICAL TABLES OF VARIOUS COMBINATIONS OF SURF (OR WAVE) HEIGHT, PERIOD, DIRECTION, AND BREAKER TYPE. TO CREATE A TAPE OF PAIRED HEIGHT AND PERIOD OBSERVATIONS BETWEEN TWO LOCATIONS. COMPUTES MONTHLY MEAN AND DOMINANT HEIGHT AND PERIOD AND THEIR CORRELATION COEFFICIENTS BETWEEN TWO LOCATIONS, LISTING OF JOINT DISTRIBUTION TABLES OF SURF (OR WAVE) HEIGHT AND PERIOD, COMPUTES DISTRIBUTION OF HEIGHT AND PERIOD RUN LENGTHS. PLOTS OF JOINT DISTRIBUTIONS TABLES FOR HEIGHT AND PERIOD AND CORRELATION COEFFICIENTS FOR DATA AT TWO LOCATIONS WHICH HAVE BEEN EXTRACTED BY HEIGHT RUN LENGTHS, EXTRACTS DATA HAVING LESS THAN SPECIFIED HEIGHT RUN LENGTHS, COMPUTES MEAN HEIGHT AND PERIOD FOR ENTIRE RANGE OF DATES AND BY MONTH FOR EACH LOCATION. COMPUTES TOTAL NUMBER OF OBSERVATIONS AND CUMULATIVE FREQUENCIES BY WAVE PERIOD INTERVAL. A PROGRAM WHICH COUNTS NUMBER OF INVALID OR 'IMPOSSIBLE' DATA OBSERVATIONS (SQUARE ROOT OF WAVE HEIGHT OVER PERIOD GREATER THAN 1.0659) AND COMPUTES PERCENTAGES OF IMPOSSIBLE READINGS FOR EACH YEAR AT EACH LOCATION. LISTING OF SURF DATA (DATE, TIME, WAVE HEIGHT, PERIOD, DIRECTION AND BREAKER TYPE) FOR ONE STATION OVER A SPECIFIED PERIOD OF TIME. A PROGRAM WHICH COMPUTES MONTHLY AVERAGE HEIGHT, PERIOD, PERIOD WITHOUT PHI (PHASE ANGLE), PERCENTAGE PHI OCCURRENCES, PERCENTAGE OF SPILLING WAVES AND SAME AVERAGES FOR TOTAL OBSERVATIONS. A PROGRAM WHICH COMPUTES MONTHLY RATIOS OF THE MEAN FOR EACH OF THE 6-4 HOURLY REPORTING INTERVALS TO THE MEAN OF THE TOTAL FOR ALL OBSERVATIONS, FOR WAVE HEIGHT, PERIOD, DIRECTION AND BREAKER TYPE.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

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ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
36 REELS OF MAGNETIC TAPE 1 ONE PER STATION

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. D.L. HARRIS / OCEANOGRAPHY BRANCH 202 325 7598
DEPARTMENT OF THE ARMY,COASTAL ENGINEERING RESEARCH CENTER
KINGMAN BUILDING
FORT BELVOIR VIRGINIA USA 22060

GRID LOCATOR (LAT):

7307942215 7307465158 7513640008 7412842434 7614061359 7514941336 7208954201 7416443565 7209901030 7407305467 7208601055
7407032508 7406472382 7307555366 7406195517 7307385032 7513993521 7307851095 7312514107 7312835474 7312403349 7312402278
7407112219 7311273097 7208900544 7412142014 7308170282 7508071196 7407033353 7515724260 7407130096 7307945064 7412343191
7307655518 7412634528 7412443073

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMS	36	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHL	6	OBS	6 PER DAY AT 4 HOURLY INTERVALS		
SURF PERIOD	WATER	VISUAL	SECONDS	6	OBS	6 PER DAY AT 4 HOURLY INTERVALS	SURFACE	
SURF HEIGHT	WATER	VISUAL	FEET	6	OBS	6 PER DAY AT 4 HOURLY INTERVALS	SURFACE	
SURF DIRECTION	WATER	VISUAL	DEGREES	6	OBS	6 PER DAY AT 4 HOURLY INTERVALS	SURFACE	
BREAKER CLASSIFICATION	WATER	VISUAL	CODED TYPE	6	OBS	6 PER DAY AT 4 HOURLY INTERVALS	SURFACE	

001837

BEACH EVALUATION PROJECT-PIPE PROFILE DATA
DATA COLLECTED: 1962 TO PRESENT

RECEIVED: APRIL 01, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, U.S., COASTAL, CAPE COD MASSACHUSETTS, MISQUAMICUT RHODE ISLAND, SOUTHHAMPTON NEW YORK, WESTHAMPTON NEW YORK, JONES BEACH NEW YORK, DEAL NEW JERSEY, BELMAR NEW JERSEY, LONG BEACH ISLAND NEW JERSEY, BRIGANTINE NEW JERSEY, ATLANTIC CITY NEW JERSEY, LUDHAM ISLAND NEW JERSEY, ASSATEAGUE VIRGINIA, VIRGINIA BEACH VIRGINIA, WRIGHTSVILLE NORTH CAROLINA, HOLDEN NORTH CAROLINA, JUPITER BEACH FLORIDA, BOCA RATON FLORIDA, HOLLYWOOD FLORIDA, TORREY PINES CALIFORNIA

ABSTRACT:
THE FILE CONTAINS BEACH PROFILE DATA FOR SEVERAL BEACHES ALONG THE ATLANTIC COAST AND ON ONE PACIFIC COAST STATION. THE PURPOSE OF THE BEACH EVALUATION PROGRAM IS TO OBSERVE THE RESPONSE OF BEACHES TO WAVES AND TIDES OF SPECIFIC INTENSITY AND DURATION AS FIRST STEP IN DEVELOPING A STORM WARNING SYSTEM FOR LOW-LYING COASTAL COMMUNITIES. THIS PROGRAM PROVIDES THE MOST COMPLETE LONG-TERM STUDY OF BEACHES IN ANY LARGE SECTION OF THE U.S. COAST, AND THUS THE DATA OBTAINED HAVE USEFUL ENGINEERING APPLICATIONS. PROFILE LINES ARE ESTABLISHED AT EQUALLY SPACED INTERVALS IN MOST CASES. IN A FEW CASES IT HAS BEEN NECESSARY TO ABANDON OR RELOCATE THE ORIGINALS PROFILES, AND IN SOME CASES ADDITIONAL PROFILE LINES WERE ESTABLISHED AFTER THE PROGRAM. THE NUMBER OF PROFILES VARIES FROM BEACH TO BEACH, THE MOST BEING 21 ON LONG BEACH ISLAND. MOST PROFILES ARE ABOUT ONE-HALF TO ONE MILE APART. AFTER ESTABLISHING THE PROFILE LINES, SURVEYS WERE MADE TO OBTAIN THE INITIAL BEACH PROFILES. THESE ARE REFERENCE VALUES TO WHICH LATER PROFILES ARE COMPAIRED. EARLY SURVEYS WERE TAKEN AT BI-WEEKLY INTERVALS, LATER ONES UP TO A MONTH APART, AND SPOT SURVEYS PRIOR AND AFTER MAJOR STORMS WERE ALSO TAKEN.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
19 REELS OF MAGNETIC TAPE 1 ONE PER STATION

Reproduced from best available copy.

FUNDING:

INVENTORY:

PUBLICATIONS:
MISC. PAPER NO. 3-69:"PIPE PROFILE DATA AND WAVE OBSERVATIONS FROM CERC BEACH EVALUATION PROGRAM, JANUARY-MARCH 1968", BY H.D. URBAN AND C.J. GAVIN, JR..

CONTACT:
MR. ALLAN DE WALL 202 325 7378
DEPARTMENT OF THE ARMY, COASTAL ENGINEERING RESEARCH CENTER
KINGMAN BUILDING
FORT BELVOIR VIRGINIA USA 22060

GRID LOCATOR (LAT):
7406195517 7407111586 7407025214 7407024410 7407033[illegible] 7407041040 7407041000 7307943180 7307942233 7307942215 7307940491
7307755230 7307655518 7307471427 7307385147 7208605084 7208602024 7208600026 7311275145

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	SAMPLING TIME	YMDHML	1	OBS	MONTHLY		EARLIER SURVEYS TAKEN BI-WEEKLY
POSITION	EARTH	FIXED POINT	DMS	19	STATIONS			ALL STATIONS NOT CURRENTLY ACTIVE ALL NOT CONTINUOUS SINCE 1962
ALTITUDE PROFILE	LAND	PIPE PROFILE	FEET	160	OBS	MONTHLY		

001840

BEACH EVALUATION PROGRAM - VISUAL WAVE OBSERVATION DATA
DATA COLLECTED: 1962 TO PRESENT

RECEIVED: APRIL 01, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, U.S., COASTAL, MASSACHUSETTS, RHODE ISLAND, NEW YORK, NEW JERSEY, VIRGINIA, NORTH CAROLINA

ABSTRACT:
USUAL WAVE OBSERVATION DATA INCLUDES INFORMATION ON WAVE HEIGHTS, PERIODS, DIRECTIONS, AND BREAKER TYPES. DATA IS PRIMARILY RECEIVED FROM CORPS COASTAL DISTRICTS AND DIVISIONS IN THE FORM OF OPTICAL MARK PAGE SCANNING FORMS AND/OR FIELD SURVEY CHARTS. THE DATA IS THEN PUNCHED ON CARDS.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
PUNCHED CARDS
12,500 PUNCHED CARDS INCREASING AT 100 CARDS PER MONTH

FUNDING:

INVENTORY:

PUBLICATIONS:
"PIPE PROFILE DATA AND WAVE OBSERVATIONS FROM THE CERC BEACH EVALUATION PROGRAM", H.D. URBAN AND C.J. GAVIN, JR., SEPT. 1969, MISC. PAPER 3-69.

CONTACT:
C.J. GALVIN 202 325 7378
DEPARTMENT OF THE ARMY, COASTAL ENGINEERING RESEARCH CENTER
KINGMAN BUILDING
FORT BELVOIR VIRGINIA USA 22060

GRID LOCATOR (LAT):
7307755230 7307942215 7407041000 7406195517 7407041040 7407033331 7307943180 7307940491 7407111586 7407025214 7307655518 7407024410 7307471427

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMS	15 STATIONS	1 OBS/STN		
TIME	EARTH	STATION TIME	YMD	15 STATIONS	30 OBS/ QUARTER/STN		
WAVE AMPLITUDE	WATER	VISUAL	FEET TO TENTHS	15 STATIONS	30 OBS/ QUARTER/STN		
WAVE PERIOD	WATER	VISUAL	SEC TO TENTHS	15 STATIONS	30 OBS/ QUARTER/STN		
WAVE DIRECTION	WATER	VISUAL	DEG TO TENTHS	15 STATIONS	30 OBS/ QUARTER/STN		
BREAKER CLASSIFICATION	WATER	VISUAL		15 STATIONS	30 OBS/ QUARTER/STN		

001841 OCEAN WAVE CLIMATOLOGY - SIGNIFICANT WAVE HEIGHTS AND PERIODS PAGE 01
DATA COLLECTED: 1968 TO PRESENT RECEIVED: APRIL 01, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S., COASTAL

ABSTRACT:
SIGNIFICANT WAVE HEIGHT AND PERIOD DATA FROM PEN AND INK RECORDS HAVE BEEN DIGITIZED ON PUNCHED CARDS. THE DATA COVERS OBSERVATIONS FROM 43 STATIONS. SAMPLED DAILY.
(SIGNIFICANT WAVE HEIGHTS AND PERIODS DETERMINED FROM PEN AND INK RECORDS)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
PUNCHED CARDS
23 BOXES OF PUNCHED CARDS. THE FILE SIZE INCREASES AT ABOUT 100 CARDS PER MONTH.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
MR E. THOMPSON / OCEANOGRAPHY BRANCH 202 325 7399
DEPARTMENT OF THE ARMY,COASTAL ENGINEERING RESEARCH CENTER
KINGMAN BUILDING
FORT BELVOIR VIRGINIA USA 22060

GRID LOCATOR (LAT):
7307851019 7307755230 7407041000 7208602024 7312725441 7311384012 7406195517 7412842434 7307665050 7614061359 7514941336
7208954201 7516443565 7311370280 7308002236 7308062335 7208601055 7307385147 7208600026 7407033331 7208605084 7308051545
7307943180 7307940491 7407111586 7406472382 7307851095 7308051523 7308050474 7308050450 7312514107 7312835474 7407112219
7311273097 7208954253 7308071196 7402025214 7515724260 7412343191 7307655518 7407024410 7307421427 7412443073

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMS	43 STATIONS	1 OBS/STN		
TIME	EARTH	STATION TIME	YMDU	43 STATIONS	6 OBS/DAY/STN BEFORE 197107 AND 4 OBS/DAY/STN THEREAFTER		
WAVE AMPLITUDE	WATER	FIXED STAFF, VISUAL	FEET TO TENTHS	43 STATIONS	6 OBS/DAY/STN BEFORE 197107 AND 4 OBS/DAY/STN THEREAFTER	SURFACE	SIGNIFICANT WAVE HEIGHT

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
WAVE PERIOD	WATER	FIXED STAFF, VISUAL	SEC	43 STATIONS	6 OBS/DAY/STN BEFORE 197107 AND 4 OBS/DAY/STN THEREAFTER	SURFACE	SIGNIFICANT WAVE PERIOD

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, JAMES RIVER

ABSTRACT:
A SINGLE TIDE GUAGE LOCATED IN THE JAMES RIVER AT NEWPORT NEWS, VIRGINIA RECORDS THE TIME OF EACH HIGH AND LOW WATER AND THE WATER HEIGHT

DATA AVAILABILITY:
COST OF REPRODUCTION

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
10 DATA SHEETS

FUNDING:
THE VIRGINIA INSTITUTE OF MARINE SCIENCE

INVENTORY:

PUBLICATIONS:

CONTACT:
ED LAWRENCE 804 642 2111 X63
VIRGINIA INSTITUTE OF MARINE SCIENCE
DEPARTMENT OF INSTRUMENTS AND OPERATIONS
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	1200	OBS	FOUR PER DAY		EVERY HIGH WATER AND LOW WATER
WATER LEVEL	WATER	RECORDING BUBBLER GAGE	FEET	1200	OBS	FOUR PER DAY		EVERY HIGH WATER AND LOW WATER

002006

VIMS HYDROGRAPHIC DATA BASE
DATA COLLECTED: JANUARY 1942 TO PRESENT

RECEIVED: JUNE 18, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY AND TRIBUTARIES

ABSTRACT:
ALL OCEANOGRAPHIC DATA GENERATED AT VIMS AND RECORDED ON VIMS OCEANOGRAPHY FORM 1 IS STORED IN THIS DATA BASE. UNTIL 1971 THE DATA BASE INCLUDES ONLY PHYSICAL MEASUREMENTS BUT AFTER THAT DATE PROVISION WAS MADE FOR RECORDING CHEMICAL DATA AS WELL. THE DATA IS STORED ON MAGNETIC DISC BUT IS RETRIEVED IN PRINTOUT FORM. EACH DATA POINT IS RECORDED WITH DAY, MONTH, YEAR, TIME, LATITUDE, LONGITUDE, RIVER CODE, DEPTH OF SAMPLE. DATA IS RETRIEVABLE BY STATION NUMBER, RIVER, YEAR, MONTH, DAY, PARAMETER RANGE OF YEARS, RANGE OF MONTHS, RANGE OF DAYS, CRUISE, VESSEL, TIDAL CURRENT STAGE, AREA DEFINED BY LAT AND LONG. THE SYSTEM HAS THE CAPACITY FOR ADDITIONAL INPUT OF PARAMETERS AS THEY ARE GENERATED AND RECORDED ON FORM 1

DATA AVAILABILITY:
COST OF COMPUTER RETRIEVAL PLUS FEE

PLATFORM TYPES:
SHIP; FIXED STATION

ARCHIVE MEDIA:
MAGNETIC DISC
THIRTEEN VOLUMES OF DATA PRINTOUTS EACH APPROXIMATELY THREE INCHES THICK

FUNDING:
STATE OF VIRGINIA

INVENTORY:

PUBLICATIONS:
VIMS UNPUBLISHED DATA REPORT NO 5, OPERATION JAMES RIVER, SHIDLER AND MACINTYRE

CONTACT:
JOHN PLEASANTS 804 642 2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730765 730766 730775 730776 730785 730786 730795 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	100000	STATIONS			
TIME	EARTH	STATION TIME	YMDHM	300000	OBS			
TEMPERATURE	WATER	VARIOUS	DEG C	250000	OBS			THERMISTOR, XBT, REVERSING THERMOMETER, INFRARED SCANNER, MECHANICAL BT;

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SALINITY	WATER	VARIOUS	PARTS PER THOUSAND	250000 OBS			OBS ARE CODED BY INSTRUMENT RS-5, HYDROMETER, REFRACTOMETER, SALINOMETER, TITRATION, STD; OBS ARE CODED BY INSTRUMENT
CURRENT SPEED	WATER	VARIOUS	VARIOUS	50000 OBS			DYE STUDY, DRIFT DEVICE, IMPELLOR METER, NEUTRAL DENSITY FLOAT, SAVONIUS ROTOR METER; OBS ARE CODED BY INSTRUMENT
CURRENT DIRECTION	WATER	VARIOUS	DEGREES	50000 OBS			DYE STUDY, DRIFT DEVICE, IMPELLOR METER, NEUTRAL DENSITY FLOAT, SAVONIUS ROTOR METER; OBS ARE CODED BY INSTRUMENT
BIOCHEMICAL OXYGEN DEMAND	WATER	TITRATION	MG PER LITER	20000 OBS			
DISSOLVED OXYGEN GAS	WATER	VARIOUS	MG PER LITER	50000 OBS			TITRATION, SENSOR; CODED BY INSTRUMENT
NITRATE	WATER	VARIOUS	UG ATOMS/LITER	1000 OBS			
NITRITE	WATER	VARIOUS	UG ATOMS/LITER	1000 OBS			
PHOSPHORUS	WATER	VARIOUS	UG ATOMS/LITER	500 OBS			
NITROGEN	WATER	VARIOUS	UG ATOMS/LITER	500 OBS			
ORGANIC NITROGEN	WATER	VARIOUS	UG ATOMS/LITER	500 OBS			.KJELDAHL NITROGEN S-WATER M-VARIOUS U-UG ATOMS/LITER T-OBS Q-500 F- H- R-
AMMONIA	WATER	VARIOUS	UG ATOMS/LITER	1000 OBS			
PARTICULATE MATTER	WATER	VARIOUS	PPM	500 OBS			

002370

SEDIMENT DISTRIBUTION IN SOUTHWESTERN DELAWARE BAY
DATA COLLECTED: JANUARY 1971 TO DECEMBER 1971

RECEIVED: AUGUST 09, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY

ABSTRACT:
SEDIMENT SAMPLES WERE OBTAINED BY USE OF BOTTOM DREDGE AND VIBRACORER. THEY WERE ANALYSED WITH THE OBJECTIVE OF DETERMINING THE PRESENT AERIAL AND VERTICAL DISTRIBUTION OF SEDIMENT TYPES IN A PORTION OF THE DELAWARE BAY AND TO EXAMINE THE SEDIMENTARY RECORD OF THE HOLOCENE MARINE TRANSGRESSION IN THIS AREA.
(UNPUBLISHED M.S. THESIS OF RICHARD NELSEN STROM, MAY 1972)

DATA AVAILABILITY:
INTERLIBRARY LOAN

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
ONE 115 PAGE THESIS

FUNDING:
UNIVERSITY OF DELAWARE

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 302 738 2455
MORRIS LIBRARY
UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
730795 730794 730785 730784

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	119	STATIONS			
TIME	EARTH	STATION TIME	YEAR	119	OBS			
SIZE ANALYSIS	SEDIMENT	VARIOUS	PER CENT	119	OBS			SAMPLES OBTAINED WITH MODIFIED FOREST-ANCHOR DREDGE; CORES OBTAINED BY VIBRA-DRILLING AND TWO AND ONE HALF

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							PLASTIC PIPE; ANALYSIS BY SIEVE AND VISUAL ESTIMATE
HEAVY MINERALS	SEDIMENT	MICROSCOPE	NUMBER PER SIZE RANGE	7	OBS		

002384

CHESAPEAKE BAY CURRENT STUDIES, 1968
DATA COLLECTED: MARCH 1968 TO AUGUST 1968

RECEIVED: AUGUST 09, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY

ABSTRACT:
SEVEN CURRENT STUDIES WERE CONDUCTED DURING THE SPRING AND SUMMER OF 1968 TO DETERMINE CURRENT MOVEMENT OFFSHORE OF THE PROPOSED CALVERT CLIFFS NUCLEAR GENERATING STATION. MAPS SHOWING MOVEMENTS OF DRIFT DEVICES OVER COMPLETE TIDAL CYCLES ARE PRESENTED IN A REPORT AVAILABLE FROM BALTIMORE GAS AND ELECTRIC COMPANY
(CONTRACT WORK DONE FOR THE BALTIMORE GAS AND ELECTRIC COMPANY; AT SLACK LOW OR HIGH TIDE 3 TO 6 SERIES OF FLOATS WERE RELEASED AT POINTS ALONG A TRANSECT TO APPROXIMATELY 1 MILE OUT FROM PROPOSED NUCLEAR PLANT SITE. THEIR MOVEMENT WAS FOLLOWED FOR 1 COMPLETE TIDAL CYCLE)

DATA AVAILABILITY:
REPORT AVAILABLE ONLY FROM CONTRACT AGENCY

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
ONE 25 PAGE REPORT

FUNDING:
BALTIMORE GAS AND ELECTRIC COMPANY

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. CLYDE E. GOULDEN 215 567 3700
THE ACADEMY OF NATURAL SCIENCES
NINETEENTH AND THE PARKWAY
PHILADELPHIA PENNSYLVANIA USA 19103

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	7	OBS			
CURRENT DIRECTION	WATER	DRIFT DEVICE	DRIFT ROUTE	35	OBS		SURFACE, 10 FT, 20 FT	

002434

ECOLOGICAL STUDY OF VASCULAR PLANTS IN SOUTH RIVER
DATA COLLECTED: JUNE 1962 TO OCTOBER 1962

RECEIVED: SEPTEMBER 04, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, MARYLAND, SOUTH RIVER, COASTAL

ABSTRACT:
BOTANICAL SURVEY OF VASCULAR PLANTS IN THE SOUTH RIVER, MARYLAND. DATA FILE INCLUDES WATER CHEMISTRY, BOTTOM TYPE, AND PLANTS. DETAILED ANALYSIS OF TRANSITION ZONE. 10 STATIONS SAMPLED WITH SOME 24 HOUR STATION DATA.
(MS THESIS, C. C. PHILIPP, 1963)

DATA AVAILABILITY:
INTERLIBRARY LOAN

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
55 PAGES

FUNDING:
UNIVERSITY OF MARYLAND

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 454 3011
MCKELDIN LIBRARY
UNIVERSITY OF MARYLAND
COLLEGE PARK MARYLAND USA 20742

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	10	STATIONS			
TIME	EARTH	STATION TIME	YMDHL	10	STATIONS			
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	12	OBS		SURFACE	24 HOUR STATION 1 AUG
SALINITY	WATER	CONDUCTIVITY	PPT	25	OBS		SURFACE	
PH	WATER	SPECIFIC ION ELECTRODE	PH UNITS	12	OBS		SURFACE	BECKMAN MODEL 180
CURRENT DIRECTION	WATER	DRIFT DEVICE	DEGREES	24	OBS			24 HOUR STATION 1 AUG
CURRENT SPEED	WATER	DRIFT DEVICE	FT/SEC	24	OBS			24 HOUR STATION 1 AUG
LIGHT EXTINCTION	WATER	RADIOMETER	PERCENT	48	OBS		6 INCH DEPTH	WHITNEY

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CALCIUM	WATER	LOWERING FLAME SPECTROMETRY	INCIDENT PPM	5	OBS			PHOTOCELL
POTASSIUM	WATER	FLAME SPECTROMETRY	PPM	5	OBS			
SODIUM	WATER	FLAME SPECTROMETRY	PPM	5	OBS			
CHLORIDE	WATER	TITRATION	PPM	5	OBS			
WATER LEVEL	WATER	VISUAL	INCHES	24	OBS	2 HOUR INTERVAL		24 HOUR STATION 1 AUG
DEPTH	WATER	WIRE LENGTH	FEET	8	OBS		BOTTOM	
BOTTOM TYPE	BOTTOM	VISUAL	USCGS CLASSES	4	OBS			
SPECIES DETERMINATION OF BENTHIC PLANTS	BOTTOM	KEY	SPECIES PER TRANSECT	4	OBS			TRANSECTS IN TWO AREAS
COMMUNITY STRUCTURE ANALYSIS	BOTTOM	CALCULATED	PLANT POSITION RELATIVE TO TIDE LEVEL	208	OBS			52 SPECIES OF PLANTS PLACED IN ONE OF 4 ELEVATION CATEGORIES

NORTH CAROLINA WETLANDS, THEIR DISTRIBUTION AND MANAGEMENT
DATA COLLECTED: AUGUST 1957 TO JULY 1959

RECEIVED: DECEMBER 05, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, COASTAL, U.S., NORTH CAROLINA

ABSTRACT:
A LARGE SCALE SURVEY OF WETLANDS IN COASTAL NORTH CAROLINA WAS CONDUCTED BETWEEN 1957 AND 1959. PRINCIPAL STUDY OBJECTIVES WERE TO LOCATE, CLASSIFY, AND MAP WETLAND AREAS, AND TO EVALUATE THEIR DEVELOPMENT POTENTIAL FOR WILDLIFE (ESPECIALLY WATERFOWL). THIS DATA BASE IS UTILIZED BY THE PERMIT SECTION OF THE N.C. DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES WHEN PROJECTS INVOLVE WETLAND ALTERATIONS.
(TEXT, TABULATION, AND MAPS FOR EACH WETLAND COUNTY)

DATA AVAILABILITY:
COST OF DUPLICATION

PLATFORM TYPES:
AIRCRAFT; FIXED STATION

ARCHIVE MEDIA:
REPORTS
169 PAGE REPORT, DATED APRIL 1962

FUNDING:
FEDERAL AID IN WILDLIFE RESTORATION, PROJECT W-6-R

INVENTORY:

PUBLICATIONS:

CONTACT:
KENNETH A. WILSON 919 829 7896
NORTH CAROLINA WILDLIFE RESOURCES COMMISSION
RALEIGH NORTH CAROLINA USA 27611

GRID LOCATOR (LAT):
730765 730766 730755 730756 730757 730746 730747 730748 730737 730738

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	GENERAL AREA	MAP	41	STATIONS			
TIME	EARTH	STATION TIME	YMD	41	STATIONS			
PHOTOGRAPH	EARTH	BLACK AND WHITE CAMERA FROM AIRCRAFT	MARSH ACRES	41	OBS			PHOTOS TRANSFERRED TO DETAILED COUNTY MAPS TO LOCATE MARSH TYPE MAPS FOR 41 COASTAL PLAIN COUNTIES
SPECIES DETERMINATION	LAND	KEY	LIST PER WETLAND TYPE,	41	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
OF BENTHIC PLANTS			BY COUNTY				
COMMUNITY STRUCTURE ANALYSIS	LAND	CALCULATED	DOMINANCE PER TYPE OF WETLAND PER COUNTY	41 OBS			

002741

SEDIMENTS OF ALBEMARLE SOUND
DATA COLLECTED: APRIL 1966 TO OCTOBER 1966

RECEIVED: DECEMBER 17, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, ALBEMARLE SOUND

ABSTRACT:
DISTRIBUTION OF SEDIMENT TYPES BASED ON COARSE FRACTION ANALYSIS, SIEVE ANALYSIS, AND WENTWORTH CLASS.

DATA AVAILABILITY:
COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
75 PAGES

FUNDING:
UNIVERSITY OF NORTH CAROLINA

INVENTORY:

PUBLICATIONS:
PELS, R.J. 1967. SEDIMENTS OF ALBEMARLE SOUND, N.C. DISSERTATION. U OF NC

CONTACT:
LIBRARIAN 919 933 2211
DEPARTMENT OF GEOLOGY LIBRARY
UNIVERSITY OF NORTH CAROLINA
CHAPEL HILL NORTH CAROLINA USA 27412

GRID LOCATOR (LAT):
730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	350	OBS			LATITUDE AND LONGITUDE
TIME	EARTH	STATION TIME	YMD	350	OBS			
BOTTOM TYPE	BOTTOM	VISUAL	WENTWORTH CLASS	350	OBS			DISTRIBUTION OF SEDIMENT TYPES
SIZE ANALYSIS	SEDIMENT	SIEVE	PHI UNITS	350	OBS			DISTRIBUTION OF SEDIMENT TYPES
CLAY FRACTION	SEDIMENT	SETTLING/VISUAL		350	OBS			DISTRIBUTION OF SEDIMENT TYPES
SAND FRACTION	SEDIMENT	SETTLING/VISUAL		350	OBS			DISTRIBUTION OF SEDIMENT TYPES
SILT FRACTION	SEDIMENT	SETTLING/VISUAL		350	OBS			DISTRIBUTION OF SEDIMENT TYPES

002741

SEDIMENTS OF ALBEMARLE SOUND (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DEPTH	WATER	WIRE LENGTH	METERS	350	OBS			SAMPLES TAKEN WITH PETERSON DREDGE

002742

HEAVY MINERAL ANALYSIS OF NORTH CAROLINA BEACH SAND
DATA COLLECTED: MAY 1963 TO OCTOBER 1963

RECEIVED: DECEMBER 17, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, COASTAL, U.S., NORTH CAROLINA

ABSTRACT:
ANALYSIS OF BEACH SAND OF NORTH CAROLINA

DATA AVAILABILITY:
COST OF REPRODUCTION

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
35 PAGES

FUNDING:
UNIVERSITY OF NORTH CAROLINA

INVENTORY:

PUBLICATIONS:
GUY, S.C. 1964. HEAVY MINERAL ANALYSIS OF NORTH CAROLINA BEACH SAND, DISSERTATION, U OF N.C.

CONTACT:
LIBRARIAN 919 933 2211
DEPARTMENT OF GEOLOGY LIBRARY
UNIVERSITY OF NORTH CAROLINA
CHAPEL HILL NORTH CAROLINA USA 27412

GRID LOCATOR (LAT):
730745 730746 730747 730755 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	45	OBS			LATITUDE AND LONGITUDE
TIME	EARTH	STATION TIME	YMD	45	OBS			
SAND FRACTION	SEDIMENT	SIEVE	PHI UNITS	45	OBS			BEACH SAND ANALYSIS

002745

GRAIN SIZE CURVES OF SEDIMENTS IN THE SOUNDS OF NORTH CAROLINA
DATA COLLECTED: APRIL 1972 TO OCTOBER 1972

RECEIVED: DECEMBER 17, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA

ABSTRACT:
ANALYSIS OF THE GRAIN SIZE OF THE SEDIMENTS OF THE SOUNDS OF NORTH CAROLINA.

DATA AVAILABILITY:
COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
150 PAGES

FUNDING:
UNIVERSITY OF NORTH CAROLINA

INVENTORY:

PUBLICATIONS:
CUSTER, E.S. 1974. GRAIN SIZE CURVES OF SEDIMENTS IN THE SOUNDS OF NORTH CAROLINA. DISSERTATION. U. OF N.C.

CONTACT:
LIBRARIAN 919 933 2211
DEPARTMENT OF GEOLOGY LIBRARY
UNIVERSITY OF NORTH CAROLINA
CHAPEL HILL NORTH CAROLINA USA 27112

GRID LOCATOR (LAT):
730746 730747 730748 730749 730755 730756 730765 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	142	STATIONS			LATITUDE & LONGITUDE
TIME	EARTH	STATION TIME	YMD	142	OBS			
SIZE ANALYSIS	SEDIMENT	SETTLING/ WEIGHING	PHI UNITS	142	OBS			

002746

MODERN MARSH AND NON-MARSH CLAYS
DATA COLLECTED: APRIL 1964 TO OCTOBER 1964

RECEIVED: DECEMBER 17, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA

ABSTRACT:
CLAY MINERAL ANALYSIS OF THE COASTAL SALT MARSHES TO ESTABLISH THE DISTRIBUTION OF MARSH AND NON-MARSH CLAYS.

DATA AVAILABILITY:
COST OF REPRODUCTION

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
35 PAGES

FUNDING:
UNIVERSITY OF NORTH CAROLINA

INVENTORY:

PUBLICATIONS:
BENSON, P.H. 1965. MODERN MARSH AND NON-MARSH CLAYS OF NORTH CAROLINA. DISSERTATION, U. OF N.C.

CONTACT:
LIBRARIAN 919 933 2211
DEPARTMENT OF GEOLOGY LIBRARY
UNIVERSITY OF NORTH CAROLINA
CHAPEL HILL NORTH CAROLINA USA 27412

GRID LOCATOR (LAT):
730746 730747 730748 730749 730755 730756 730765 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	50	STATIONS			LATITUDE AND LONGITUDE
TIME	EARTH	STATION TIME	YMD	50	OBS			
CLAY FRACTION	SEDIMENT	SETTLING/VISUAL	PERCENT	50	OBS			
MINERALOGY	SEDIMENT	X-RAY DIFFRACTION		50	OBS			ANALYSIS OF THE SALT MARSH CLAYS AND THEIR DISTRIBUTION

00304B

HORIZONTAL AND VERTICAL DISTRIBUTION OF THECOSOMATOUS PTEROPODS
DATA COLLECTED: DECEMBER 1964 TO NOVEMBER 1966

RECEIVED: NOVEMBER 06, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, CAPE HATTERAS

ABSTRACT:
INVESTIGATION OF THE VERTICAL AND HORIZONTAL DISTRIBUTION OF PTEROPODS OFF CAPE HATTERAS.

DATA AVAILABILITY:
COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
MICROFILM
100 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
MYERS, T. D. 1967. HORIZONTAL AND VERTICAL DISTRIBUTION OF THECOSOMATOUS PTEROPODS OFF CAPE HATTERAS. DISSERTATION. DUKE U.

CONTACT:
LIBRARIAN 919 728 2111
DUKE UNIVERSITY MARINE LABORATORY
BEAUFORT NORTH CAROLINA USA 28516

GRID LOCATOR (LAT):
730736 730746 730745 730755 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE & LONGITUDE	251	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	251	OBS		TO 500 METERS	
SPECIES DETERMINATION OF PELAGIC ANIMALS	WATER	KEY		251	OBS		TO 500 METERS	26 SPECIES IDENTIFIED
COUNT OF ZOOPLANKTON	WATER	VISUAL	NUMBER PER 1000 SQUARE METERS	251	OBS		TO 500 METERS	COLLECTION MADE WITH 30 CENTIMETER CLARK BUMPUS NET
TEMPERATURE	WATER	REVERSING THERMOMETER	DEG C	251	OBS		TO 500 METERS	
SALINITY	WATER	CONDUCTIVITY	PARTS PER	251	OBS		TO 500 METERS	

003048 HORIZONTAL AND VERTICAL DISTRIBUTION OF THECOSOMATOUS PTEROPODS (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DISSOLVED OXYGEN GAS	WATER	TITRATION	THOUSAND PERCENT	251	OBS		TO 500 METERS	
DEPTH	WATER	CALCULATED FROM PRESSURE	METERS	251	OBS		TO 500 METERS	
CURRENT DIRECTION	WATER	NEUTRAL DENSITY FLOAT		251	OBS			
CURRENT RECOVERY POSITION	WATER	CALCULATED		251	OBS			
SAMPLE	SEDIMENT	CORER		251	OBS			
MIGRATION STUDY OF ZOOPLANKTON	WATER	TAGGING STUDIES		1	OBS		TO 500 METERS	24 HOUR VERTICAL MIGRATION

003087

NAPIS 74-0398 CHESTER RIVER STUDIES
DATA COLLECTED: FEBRUARY 1972 TO JUNE 1972

RECEIVED: SEPTEMBER 27, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, CHESAPEAKE BAY, CHESTER RIVER

ABSTRACT:
DATA ON CURRENT SPEED AND DIRECTION IS PRESENTED ALONG WITH CONDUCTIVITY, TEMPERATURE AND DEPTH COLLECTED WITH AN ODESSA METER. THE ODESSA METER IS THE SAME AS A TICUS CURRENT METER EXCEPT THAT CONDUCTIVITY, TEMPERATURE, AND DEPTH SENSORS HAVE BEEN ADDED. C.T.D. DATA WERE PROCESSED USING STANDARD FORMULAS TO CONVERT FROM BINARY UNITS TO ENGINEERING UNITS.
(DATA COLLECTED BY NOAA'S NATIONAL OCEAN SURVEY, OCEANOGRAPHIC SURVEYS BRANCH.)

DATA AVAILABILITY:
AVAILABLE AT COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
3 REELS OF MAGNETIC TAPE, SAMPLE LISTING, AND DATA DOCUMENTATION FORM.

FUNDING:
NOAA

INVENTORY:
NAPIS

PUBLICATIONS:

CONTACT:
OCEANOGRAPHIC SERVICES BRANCH, D761 202 634 7500
NATIONAL OCEANOGRAPHIC DATA CENTER
NOAA/EDS/NODC
WASHINGTON DISTRICT OF COLUMBIA USA 20235

GRID LOCATOR (LAT):
7307960100 7307960126 7307960127 7307960125

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM TO THOUSANDTH S	5	STATIONS	CONTINUOUS		
TIME	EARTH	CLOCK TIME	YMDH TO HUNDREDTHS	1	MOS	CONTINUOUS		
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	KNOTS TO HUNDREDTHS	45284	OBS	EVERY 7 1/2 SECONDS OVER A 38 SECOND PERIOD		
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES TRUE	45284	OBS	EVERY 7 1/2 SECONDS OVER		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TEMPERATURE	WATER	THERMISTOR	DEG C	45284	OBS	A 38 SECOND PERIOD EVERY 7 1/2 SECONDS OVER A 38 SECOND PERIOD		
DEPTH	WATER	PRESSURE TRANSDUCER	PSI-ABSOLUTE	45284	OBS	EVERY 7 1/2 SECONDS OVER A 38 SECOND PERIOD		
ELECTRICAL CONDUCTIVITY	WATER	IN SITU CONDUCTIVITY CELL	MILLIOHMS/CM	45284	OBS	EVERY 7 1/2 SECONDS OVER A 38 SECOND PERIOD		

00321:

EFFECT OF SOIL DISPOSAL ON BENTHIC COMMUNITIES
DATA COLLECTED: DECEMBER 1971 TO JUNE 1972

RECEIVED: OCTOBER 11, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., COASTAL, DELAWARE, LEWES

ABSTRACT:
THE PURPOSE OF THIS STUDY WAS TO EVALUATE THE GROSS (COMMUNITY DISRUPTION, MORTALITY) BIOLOGICAL EFFECTS OF DREDGING AND OVERBOARD SPOIL DISPOSAL IN THE BREAKWATER HARBOR, LEWES, DELAWARE, ON BENTHIC MARINE INVERTEBRATES. THE STUDY CONSISTED OF THREE ASPECTS: 1) PHYSICAL OCEANOGRAPHY AND AERIAL PHOTOGRAPHY, 2) MARINE GEOLOGY, AND 3) MARINE BIOLOGY. SPECIFIC OBJECTIVES WERE: 1) TO DETERMINE THE RELATIVELY SHORT-TERM DISPERSION OF SPOILS FROM DREDGING, AND 2) TO DETERMINE THE SHORT-TERM BIOLOGICAL EFFECT OF SPOIL DISPOSAL FROM DREDGING. THERE WERE 103 STATIONS WITHIN THE STUDY AREA WHICH WERE SAMPLED THREE TIMES; DECEMBER 1971, MARCH 1972 AND JUNE 1972. THE PARAMETERS DETERMINED IN THE STUDY AREA ARE CURRENT SPEED AND DIRECTION, SPECIES DETERMINATION AND COUNT OF BENTHIC ANIMALS, SALINITY, TEMPERATURE, DISSOLVED OXYGEN, EH, SIZE ANALYSIS OF SEDIMENTS, BIOMASS OF BENTHIC ANIMALS AND SECCHI DISC DEPTH.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
THE DATA OCCURS IN A REPORT WHICH IS 231 PAGES IN LENGTH.

FUNDING:
NOAA OFFICE OF SEA GRANT NO. 2-35223

INVENTORY:

PUBLICATIONS:
MAURER, D., ET. AL., 1974, EFFECT OF SPOIL DISPOSAL ON BENTHIC COMMUNITIES NEAR THE MOUTH OF DELAWARE BAY, COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE, 231 PP.

CONTACT:
DR. DON MAURER 302 738 2569
COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	RADAR	DMT	103	STATIONS			
TIME	EARTH	STATION TIME	YMDH	103	STATIONS			
SIZE ANALYSIS	SEDIMENT	SIEVE		103	STATIONS			
CURRENT DIRECTION	WATER	DYE STUDY		7	STATIONS		1 AND 2 METERS BELOW SURFACE	CURRENT STUDIES DONE ON JANUARY 6 AND 7, 1972

003217

EFFECT OF SOIL DISPOSAL ON BENTHIC COMMUNITIES (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	DYE STUDY		7	STATIONS		1 AND 2 METERS BELOW SURFACE	CURRENT STUDIES DONE ON JANUARY 6 AND 7, 1972
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER/ONE-TENTH OF A SQUARE METER	277	OBS			
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY		277	OBS			115 SPECIES IDENTIFIED
TEMPERATURE	WATER	REVERSING THERMOMETER	DEG C	103	STATIONS			
DISSOLVED OXYGEN GAS	WATER	TITRATION	PPM	103	STATIONS			
SALINITY	WATER	CONDUCTIVITY	PPT	103	STATIONS			
SECCHI DISC DEPTH	WATER	DISAPPEARING DEPTH	CENTIMETERS	103	STATIONS			
TEMPERATURE	SEDIMENT	MERCURY THERMOMETER	DEG C	103	STATIONS			
BIOMASS OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT		103	STATIONS			
BIOMASS OF BENTHIC ANIMALS	BOTTOM	WET WEIGHT		103	STATIONS			
EH	INTERSTITIAL	SPECIFIC ION ELECTRODE		103	STATIONS			
CURRENT DIRECTION	WATER	DRIFT DEVICE		7	STATIONS			
CURRENT SPEED	WATER	DRIFT DEVICE		7	STATIONS			

003220

BIOGEOCHEMISTRY OF SEDIMENTS OF DELAWARE BAY
DATA COLLECTED: SEPTEMBER 1970 TO AUGUST 1971

RECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., COASTAL, DELAWARE, DELAWARE BAY

ABSTRACT:
SURFACE HOLOCENE SEDIMENT SAMPLES FROM MIDDLE DELAWARE BAY AND CORED HOLOCENE SAMPLES FROM LOWER DELAWARE BAY HAVE BEEN STUDIED IN A PRELIMINARY WAY FOR GENERAL SEDIMENT CHARACTERISTICS, PH, EH, ORGANIC CARBON, CARBOHYDRATES, AMINO ACIDS, HYDROCARBONS, CHLOROPHYLL-DERIVED PIGMENTS, CAROTENOID PIGMENTS, AND HUMIC ACIDS. SAMPLES FROM A CORE NEAR WILMINGTON CANYON ON THE CONTINENTAL SLOPE OFF DELAWARE BAY WERE ANALYZED FOR ORGANIC CARBON AND CARBOHYDRATES.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
44 PAGE REPORT

FUNDING:
NOAA, OFFICE OF SEA GRANT NO. 2-35223

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. FREDERICK M. SWAIN 302 738 2569
COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
730784 730785 730794 730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	UNKNOWN	DMT	60 STATIONS			
TIME	EARTH	STATION TIME		60 STATIONS			
PH	INTERSTITIAL	SPECIFIC ION ELECTRODE		60 STATIONS			
EH	INTERSTITIAL	SPECIFIC ION ELECTRODE		60 STATIONS			
ORGANIC CARBON	SEDIMENT	SPECTROPHOTOMETRY		60 STATIONS			
CALCIUM CARBONATE	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY		60 STATIONS			
CARBOHYDRATES	SEDIMENT	COLORIMETRY		60 STATIONS			
AMINO ACIDS	SEDIMENT	SPECTROPHOTOMETRY		60 STATIONS			
PHAEOPHYTIN A	SEDIMENT	SPECTROPHOTOMETRY		60 STATIONS			
HUMIC ACIDS	SEDIMENT	COLUMN CHROMATOGR		60 STATIONS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
		APHY					
DEPTH	WATER	WIRE LENGTH		60	STATIONS		
WATER CONTENT	SEDIMENT	GRAVIMETRY		60	STATIONS		
SIZE ANALYSIS	SEDIMENT	VISUAL		60	STATIONS		

003892 MODEL ANALYSIS OF HEAVY MINERALS BY X-RAY DIFFRACTION AND TEXTURAL STUDIES OF NEW JERSEY BEACH SANDS PAGE 01

DATA COLLECTED: JUNE 1970 TO JUNE 1970 RECEIVED: MARCH 21, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., NEW YORK BIGHT, COASTAL SANDY HOOK TO CAPE MAY

ABSTRACT:
THE MAJOR OBJECTIVES OF THIS STUDY WERE 1) TO DEVELOP THE OTALORA AND HESS TECHNIQUE FOR THE QUANTITATIVE HEAVY MINERAL ANALYSIS BY X-RAY DIFFRACTION, TO MEASURE THE ABUNDANCE OF THE HEAVY MINERALS OF NEW JERSEY BEACH SANDS; 2) TO CHARACTERIZE THE HEAVY MINERAL ASSEMBELAGES QUALITATIVELY BY GROUPING THEM ACCORDING TO THEIR X-RAY DIFFRACTION "FINGERPRINTS" AND QUANTITATIVELY BY PARTICULAR RELATIONSHIPS BETWEEN THE VARIOUS HEAVY MINERAL SPECIES; AND 3) TO RELATE THESE CHARACTERISTICS AND OVERALL TEXTURAL PARAMETERS TO COASTAL PHYSIOGRAPHY AND PROCESS ELEMENTS. SEDIMENT SAMPLES WERE COLLECTED BY CORING DURING THE PERIOD FROM JUNE 8 TO JUNE 13, 1970. A TOTAL OF 155 SAMPLES WERE TAKEN FROM SANDY HOOK TO CAPE MAY POINT. ONE HUNDRED OF THE SAMPLES WERE CHOSEN FOR SIZE ANALYSIS, AND TWENTY SAMPLES WERE CHOSEN FOR X-RAY DIFFRACTION (HEAVY METALS ANALYSIS).

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
87 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
GRADUATE RESEARCH-NASREDDIN SHERIF, MSC. THESIS, 1971 FROM TOLEDO UNIVERSITY

CONTACT:
L. JAMES CHARLESWORTH 419 537 2398
UNIVERSITY OF TOLEDO
TOLEDO OHIO USA 43606

GRID LOCATOR (LAT):
740701 740702 740703 740704 740705 740706 740707 740708 740709 740710 730795 730796 730797 730798 730799

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	STATION TIME	YMD	155	OBS			
POSITION	EARTH	CALCULATED	DM	155	OBS			
SAMPLE	SEDIMENT	CORER		155	OBS			
SIZE ANALYSIS	SEDIMENT	SIEVE	MILLIMETERS	100	OBS			
HEAVY MINERALS	SEDIMENT	X-RAY DIFFRACTION	PERCENT	20	OBS			

00439C

SOURCE OF DETRITAL HEAVY MINERALS IN ESTUARIES
DATA COLLECTED: JUNE 1969 TO MARCH 1972

RECEIVED: NOVEMBER 04, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE, DELAWARE BAY

ABSTRACT:
A THREE YEAR STUDY ON THE SOURCE OF DETRITAL HEAVY METALS IN ESTUARIES OF THE ATLANTIC COASTAL PLAIN WAS CONDUCTED. SAMPLES WERE TAKEN IN THE DELAWARE BAY AND ANALYZED. TWELVE SAMPLES WERE COLLECTED FOR ANALYSIS BY MEANS OF THE ISODYNAMIC SEPARATOR AND X-RAY DIFFRACTION. THE RESULTS OF THIS ANALYSIS WAS THEN COMPARED WITH RELATED STUDIES TO FORM AN OVERALL PICTURE OF THE ATLANTIC COASTAL PLAINS DETRITAL HEAVY METALS.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
ONE 112 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
SOURCE OF DETRITAL HEAVY MINERALS IN ESTUARIES OF THE ATLANTIC COASTAL PLAIN-PH.D., THESIS QE47 N43

CONTACT:
LIBRARIAN 404 894 4502
GEORGIA INSTITUTE OF TECHNOLOGY
PRICE GILBERT MEMORIAL LIBRARY
ATLANTA GEORGIA USA 30332

GRID LOCATOR (LAT):
730795

PARAMETER IDENT..ICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	167	STATIONS			
TIME	EARTH	STATION TIME	YMD	167	STATIONS			
SAND FRACTION	SEDIMENT	SIEVE		167	STATIONS			
MINERALOGY	SEDIMENT	PETROGRAPHIC MICROSCOPE		167	STATIONS			
HEAVY MINERALS	SEDIMENT	X-RAY DIFFRACTION		167	STATIONS			

004438

INDIAN RIVER INLET WAVE PATTERN STUDY
DATA COLLECTED: DECEMBER 1973 TO DECEMBER 1973

RECEIVED: DECEMBER 01, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE, INDIAN RIVER INLET

ABSTRACT:
MISSION W258, FLIGHT 01 WAS ACCOMPLISHED ON 10 DECEMBER, 1974. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY WAVE PATTERNS IN THE INDIAN RIVER INLET AND BETHANY BEACH AREAS OF THE DELAWARE COAST.
(MISSION W258 FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
61 PHOTOPRINTS

FUNDING:
NASA

INVENTORY:

PUBLICATIONS:

CONTACT:
C. WHITLOCK 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	2 STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	2 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT		2 STATIONS		5,000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

004549

BROADKILL RIVER TIDAL CYCLE CHEMICAL DATA
DATA COLLECTED: NOVEMBER 1973 TO NOVEMBER 1973

RECEIVED: AUGUST 01, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY, BROADKILL RIVER, ROOSEVELT INLET

ABSTRACT:
THE BROADKILL RIVER AT THE ROOSEVELT INLET FROM DELAWARE BAY WAS MONITORED OVER A TIDAL CYCLE ON NOVEMBER 16, 1973 AS A PART OF A GRADUATE COURSE PROJECT BY THE UNIVERSITY OF DELAWARE'S COLLEGE OF MARINE STUDIES. DATA TAKEN EVERY 20 MINUTES INCLUDES SALINITY, TEMPERATURE, CURRENT SPEED, TOTAL PHOSPHATE, CHLOROPHYLL A, TOTAL AND PARTICULATE CARBOHYDRATE, TOTAL LOADING, AND DTRITRAL LOADING. BOTH TOTAL PARTICULATE LOADING AND THAT RETAINED BY A NUMBER 10 MESH NET WERE DETERMINED FOR EACH OF 12 OBS MADE.
(DATA TAKEN AS A CLASS PROJECT OVER ONE TIDAL CYCLE FROM A MOORED BOAT)

DATA AVAILABILITY:
LIMITED BY REPRODUCTION COSTS

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
10 PAGES

FUNDING:
UNIVERSITY OF DELAWARE

INVENTORY:

PUBLICATIONS:

CONTACT:
CHARLES BRINE 302 738 1212
UNIVERSITY OF DELAWARE
COLLEGE OF MARINE STUDIES
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
73078530

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	1	STATIONS		1M	
TIME	EARTH	SAMPLING TIME	YMDHM	150	OBS		1M	
TEMPERATURE	WATER	MECHANICAL BT	DEG C	14	OBS	1 OBS/20 MINUTE	1M	
CURRENT SPEED	WATER	DRIFT DEVICE	METERS PER SECOND	15	OBS	1 OBS/20 MINUTE	1M	
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	18	OBS	1 OBS/20 MINUTE	1M	INDUCTIVE SALINOMETER WAS USED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
PHOSPHORUS	WATER	SPECTROPHOTOMETRY	MICROGRAM ATOMS PER LITER	18	OBS	1 OBS/20 MINUTE	1M	
CHITIN	WATER	SPECTROPHOTOMETRY	MICROGRAM PER LITER	12	OBS	1 OBS/20 MINUTE	1M	
CARBOHYDRATES	WATER	SPECTROPHOTOMETRY	MILLIGRAM GLUCOSE PER CUBIC METER	12	OBS	1 OBS/20 MINUTE	1M	
CHLOROPHYLL A	WATER	FLUOROMETRY	MILLIGRAM PER CUBIC METER	12	OBS	1 OBS/20 MINUTE	1M	
PARTICULATE MATTER	WATER	GRAVIMETRY	MILLIGRAM PER LITER	24	OBS	1 OBS/20 MINUTE	1M	
CARBOHYDRATES	SUSPENDED	SPECTROPHOTOMETRY	MILLIGRAM GLUCOSE PER CUBIC METER	12	OBS	1 OBS/20 MINUTE	1M	

ANALYSIS OF SHORT-AND LONG-TERM ELEMENTS OF COASTAL CHANGE IN A SIMPLE SPIT
SYSTEM: CAPE HENLOPEN, DELAWARE
DATA COLLECTED: JUNE 1972 TO AUGUST 1973

RECEIVED: SEPTEMBER 22, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, CAPE HENLOPEN BEACH

ABSTRACT:
DATA ON BEACH PROCESS VARIABLES AND BEACH FACE RESPONSES OBTAINED OVER A 15 MONTH PERIOD, FROM JUNE, 1972 TO AUGUST, 1973, FROM 2 LOCATIONS ON CAPE HENLOPEN BEACH, DELAWARE ARE PRESENTED AND ANALYZED TO DETERMINE THE FACTORS GOVERNING THE PROCESSES AND RATES OF COASTAL CHANGE OF CAPE HENLOPEN. DATA INCLUDE WAVE PERIOD, HEIGHT AND DIRECTION; LONGSHORE CURRENT SPEED AND DIRECTION; WIND SPEED AND DIRECTION; BEACH PROFILES; AND SIZE AND COMPOSITION ANALYSIS OF SEDIMENT OF THE AREA. HISTORIC MAPS ARE ALSO ANALYZED TO ESTABLISH EROSION AND ACCRETION RATES OVER THE PAST 2 CENTURIES AND TO RELATE THE MOVEMENT OF THE COASTLINE DURING THAT TIME TO PRESENT RATES OF CHANGE OF THE CAPE HENLOPEN COAST.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
150 PAGES

FUNDING:
OFFICE OF NAVAL RESEARCH

INVENTORY:

PUBLICATIONS:
MAURMEYER, E.M., 1974, ANALYSIS OF SHORT-AND LONG-TERM ELEMENTS OF COASTAL CHANGE IN A SIMPLE SPIT SYSTEM: CAPE HENLOPEN, DELAWARE. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 150 P.

CONTACT:
EVELYN M. MAURMEYER 302 738 2569
GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
7307854085

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS			STATION 1: ATLANTIC COAST SIDE OF CAPE HENLOPEN BEACH; STATION 2: CAPE HENLOPEN BEACH
TIME	EARTH	STATION TIME		138	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
SIZE ANALYSIS	SEDIMENT	SETTLING/ WEIGHING	GRAPHIC MEAN IN PHI UNITS PER SAMPLE PER STATION	341	OBS			
GRAVEL FRACTION	SEDIMENT	SIEVE	WEIGHT PERCENT OF GRAVEL PER SAMPLE PER STATION	341	OBS			
SAND FRACTION	SEDIMENT	SETTLING/ WEIGHING	WEIGHT PERCENT OF SAND PER SAMPLE PER STATION	341	OBS			
SILT FRACTION	SEDIMENT	SETTLING/ WEIGHING	WEIGHT PERCENT OF SILT PER SAMPLE PER STATION	341	OBS			
WAVE AMPLITUDE	WATER	FIXED STAFF, VISUAL	AVERAGE WAVE HEIGHT IN FEET PER STATION OBS	69	OBS			ATLANTIC COAST STATION
WAVE PERIOD	WATER	FIXED STAFF, VISUAL	AVERAGE WAVE PERIOD IN SECONDS PER STATION OBS	71	OBS			ATLANTIC COAST STATION
WAVE DIRECTION	WATER	VISUAL	PERCENT OF OBS OCCURING IN SPECIFIED DIRECTION ZONES	54	OBS			ATLANTIC COAST STATION
CURRENT DIRECTION	WATER	DRIFT DEVICE		20	OBS			
CURRENT SPEED	WATER	DRIFT DEVICE	FEET PER SECOND	20	OBS			
WIND SPEED	AIR	ANEMOMETER	PERCENT OF OBS PER 5 MILE PER HOUR INTERVALS	64	OBS			
WIND DIRECTION	AIR	DROPSONDE	PERCENT OF OBS PER SPECIFIED DIRECTION ZONES	64	OBS			
HEAVY MINERALS	SEDIMENT	MICROSCOPE	WEIGHT PERCENT OF HEAVY MINERALS IN 62 AND FIVE-TENTHS-500 MICRON FRACTION PER OBS PER STATION	10	OBS			PERCENT OF NON-OPAQUE GRAINS GIVEN FOR SEVERAL MINERALS
ALTITUDE PROFILE	LAND	DIRECT	ALTITUDE IN FEET ABOVE MEAN LOW WATER PER DISTANCE	67	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
			IN FEET FROM FIXED POINT ALONG A LINE RUNNING PERPENDICULAR TO THE WATER LINE				
DEPOSITION	LAND	DIRECT	CHANGE IN ALTITUDE IN FEET ALONG BEACH PROFILE BETWEEN SAMPLING PERIODS	67	OBS		

00458C

HIGH RESOLUTION SEISMIC REFLECTION PROFILES IN MIDDLE DELAWARE BAY
DATA COLLECTED: MAY 1971 TO AUGUST 1971

RECEIVED: SEPTEMBER 22, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, MIDDLE DELAWARE BAY

ABSTRACT:
116 NAUTICAL MILES OF HIGH RESOLUTION SEISMIC REFLECTION PROFILES COLLECTED IN MIDDLE DELAWARE BAY, FROM MAY 1971 TO AUGUST 1971, ARE ANALYSED AND CORRELATED WITH 98 WIDELY SPACED SEDIMENT SAMPLES CONCURRENTLY COLLECTED WITH CORES AND/OR GRABS.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
114 PAGES

FUNDING:
NATIONAL SCIENCE FOUNDATION; SEA GRANT

INVENTORY:

PUBLICATIONS:
MOOSE, R.D., 1973. HIGH RESOLUTION SEISMIC REFLECTION PROFILES IN MIDDLE DELAWARE BAY. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 114 P.

CONTACT:
ROGER D. MOOSE 302 738 2569
GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
73079512

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	VARIOUS	MAP LOCATION	98 STATIONS			98 LOCATIONS FOR SEDIMENT SAMPLE STATIONS; 116 NAUTICAL MILES OF SEISMIC REFLECTION PROFILES; RADAR, LONG RANGE NAVIGATIONAL NET, FIXED POINT, METHODS USED

004580 HIGH RESOLUTION SEISMIC REFLECTION PROFILES IN MIDDLE DELAWARE BAY (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	STATION TIME	YM	98	OBS			
SEISMIC REFLECTION PROFILE	BOTTOM	PINGER	FEET BELOW MEAN LOW WATER OF REFLECTED LAYERS	116	MILES	CONTINUOUS		RAYTHEON RTT-1000 PORTABLE SURVEY SYSTEM
SIZE ANALYSIS	SEDIMENT	VISUAL	DESCRIPTIVE WORD RANGES	76	OBS			PETERSON GRAB SAMPLES
SEDIMENT STRUCTURE	SEDIMENT	VISUAL	DESCRIPTIVE WORD RANGES	60	OBS			50 PISTON CORES-2M BARREL; 10 PISTON CORES-5M BARREL
SEDIMENT STRUCTURE	SEDIMENT	SEISMIC REFLECTION ANALYSIS	DESCRIPTIVE WORD RANGES	116	MILES	CONTINUOUS		

004671

DELAWARE BAY ENTRANCE TIDAL CURRENTS
DATA COLLECTED: OCTOBER 1972 TO OCTOBER 1972

RECEIVED: AUGUST 15, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, DELAWARE BAY

ABSTRACT:
THE DATA IN THIS REPORT RELATES TO AN INVESTIGATION OF THE RELATIONSHIP BETWEEN THE WATER OF THE ATLANTIC OCEAN OFF THE NEW JERSEY COAST AND THE WATER ENTERING THE DELAWARE BAY. THIS RELATIONSHIP WAS EXPLORED THROUGH A CURRENT AND SALINITY MEASUREMENT STUDY. THE DATA WAS ALL OBTAINED ON ONE RESEARCH CRUISE ON OCTOBER 27, 1972 ON BOARD THE R/V SKIMMER FROM THE UNIVERSITY OF DELAWARE, COLLEGE OF MARINE STUDIES.
(SALINITY, CURRENT, AND TEMPERATURE PROFILES OF DELAWARE BAY MOUTH)

DATA AVAILABILITY:
LIMITED BY REPRODUCTION COST ONLY

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
9 PAGES

FUNDING:
UNIVERSITY OF DELAWARE

INVENTORY:

PUBLICATIONS:

CONTACT:
DENNIS POLIS 302 738 1212
UNIVERSITY OF DELAWARE
COLLEGE OF MARINE STUDIES
NEWARK DELAWARE USA 19713

GRID LOCATOR (LAT):
7307844455 7307950007

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	16	STATIONS		SURFACE TO BOTTOM	
TIME	EARTH	SAMPLING TIME	YMDHM	16	STATIONS	1 OBS/STATION/ DEPTH	SURFACE TO BOTTOM	
CURRENT RELEASE POSITION	WATER	LONG RANGE NAVIGATIONAL NET	MAP POSITIONAL DEGREES	45	OBS		BOTTOM	5 BOTTOM DRIFTERS WERE RELEASED AT EACH OF 9 STATIONS TO CHART BOTTOM

00467:

DELAWARE BAY ENTRANCE TIDAL CURRENTS (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT RECOVERY POSITION	WATER	FIXED AREA	MAP POSITIONAL DEGREES	11	OBS			CURRENTS
CURRENT RECOVERY TIME	WATER	CLOCK TIME	DAYS	11	OBS	1 OBS/DRIFTER FOUND		
CURRENT DIRECTION	WATER	DRIFT DEVICE	COMPASS DIRECTION	11	OBS	1 OBS/DRIFTER FOUND	BOTTOM	BOTTOM DRIFTER DROGUES USED
SALINITY	WATER	STD	PARTS PER THOUSAND	48	OBS	2 OBS/STATION PLUS 1 PROFILE OBS/ STATION	SURFACE TO BOTTOM	BOTH SALINOMETER AND STD USED TO CROSSCHECK SALINITIES
TEMPERATURE	WATER	RESISTANCE THERMOMETER	DEG C	45	OBS	1 OBS/STATION	SURFACE TO BOTTOM	TEMPERATURE PROFILE TAKEN AT EACH STATION BY STD
SECCHI DISC DEPTH	WATER	DISAPPEARING DEPTH	METERS	13	OBS	1 OBS/STATION		
DEPTH	WATER	WIRE LENGTH	FEET	12	OBS	1 OBS/STATION	SURFACE TO BOTTOM	DEPTH RECORDED BY CORRECTED WIRE LENGTH OUT WHEN STD PROBE REACHED BOTTOM
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	48	OBS	2 OBS/STATION PLUS 1 PROFILE OBS/ STATION	SURFACE TO BOTTOM	BOTH SALINOMETER AND STD USED TO CROSSCHECK SALINITIES

004678

HYDROGRAPHY OF THE BROADKILL RIVER ESTUARY
DATA COLLECTED: MARCH 1967 TO JANUARY 1968

RECEIVED: AUGUST 15, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., DELAWARE BAY, BROADKILL RIVER, COASTAL

ABSTRACT:
HYDROGRAPHIC SURVEYS OF THE BROADKILL RIVER WERE MADE TO DETERMINE THE NET CIRCULATION PATTERN AND THE FLUSHING RATE. SALINITY, TEMPERATURE, AND CURRENT VELOCITY WERE MEASURED. THE NET CIRCULATION PATTERN OF THIS ESTUARY IS ONE IN WHICH EBBING CURRENTS DOMINATE THE WATER COLUMN AT ALL LEVELS.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
89 PAGES

FUNDING:
OFFICE OF WATER RESOURCES RESEARCH

INVENTORY:

PUBLICATIONS:
REPORT OF WATER RESOURCES DEPT STATE OF DELAWARE, N.J. KAPOLOVSKI

CONTACT:
INTERLIBRARY LOAN 302 738 2236
MORRIS LIBRARY, UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
7307854182

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	7 STATIONS		SURFACE	
TIME	EARTH	STATION TIME	YMDH	7 STATIONS			
BATHYMETRY	WATER	LEAD LINE	FT	7 STATIONS		BOTTOM	DEPTHS TAKEN AT 10 FT INTERVALS AT EACH STATION
WATER LEVEL	WATER	VISUAL	FT	7 STATIONS		SURFACE	TIME GAUGES WERE PLACED AT TWO STATIONS AND VISUAL OBSERVATIONS WERE MADE AT ALL SEVEN

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TIDAL CURRENT SPEED	WATER	DRIFT DEVICE	FT PER SEC	7 STATIONS		SURFACE, MIDDLE AND BOTTOM	
TIDAL CURRENT SPEED	WATER	SAVONIUS ROTOR METER	FT PER SEC	7 STATIONS		SURFACE, MIDDLE AND BOTTOM	METER USED TO CHECK ACURRACY OF DROGUES
SALINITY	WATER	CONDUCTIVITY	PPT	7 STATIONS		SURFACE, MIDDLE AND BOTTOM	
TEMPEFATURE	WATER	THERMISTOR	DEG F	7 STATIONS		SURFACE, MIDDLE AND BOTTOM	
DISSOLVED OXYGEN GAS	WATER	TITRATION	MG-AT O2 PER LITER	7 STATIONS		SURFACE AND BOTTOM	
PH	WATER	SPECIFIC ION ELECTRODE	GRAMS PER LITER	7 STATIONS		SURFACE	

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA

ABSTRACT:
A SURVEY OF BEACH EROSION OF NORTH CAROLINA WAS CONDUCTED FROM 1938 TO 1971. UTILIZING BLACK AND WHITE CAMERA'S FROM AIRPLANES, THE RATE OF EROSION WAS DETERMINED BY THE RELATIONSHIP OF THE BEACH TO FIXED REFERENCE POINTS.

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
REPORTS
ONE 31 PAGE REPOR

FUNDING:
NORTH CAROLINA DIVISION OF WATERWAYS AND SEASHORES

INVENTORY:

PUBLICATIONS:
DATA CONTAINED IN REPORT NUMBER 73-1, A SURVEY OF NORTH CAROLINA BEACH EROSION BY PHOTO METHODS

CONTACT:
H.E. WAHLS 919 737 3326
NORTH CAROLINA STATE UNIVERSITY
THE CENTER FOR MARINE AND COASTAL STUDIES
RALEIGH NORTH CAROLINA USA 27607

GRID LOCATOR (LAT):
730738 730747 730756 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	15 STATIONS			
TIME	EARTH	STATION TIME	YMD	15 STATIONS			
PHOTOGRAPH	EARTH	BLACK AND WHITE CAMERA FROM AIRCRAFT		15 STATIONS			
DEPOSITION RATE	LAND	VISUAL		15 STATIONS			

004751

NORTH CAROLINA STORM-INDUCED BEACH EROSION
DATA COLLECTED: OCTOBER 1898 TO OCTOBER 1973

RECEIVED: DECEMBER 29, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA

ABSTRACT:
A STUDY WAS CONDUCTED OVER A PERIOD OF 75 YEARS TO DETERMINE THE EFFECTS OF STORM-INDUCED BEACH EROSION FOR NORTH CAROLINA. UTILIZING PIER SOUNDING AND PREVIOUS DATA, EROSION AND SEDIMENT MOVEMENT WAS DETERMINED. THE HEIGHT, WIDTH AND SHAPE OF DUNES AT EACH PIER LOCATION WERE RECORDED. STORM SURGE LEVELS AS A FUNCTION OF STORM RETURN FREQUENCY WERE OBTAINED FOR 5 AREAS OF NORTH CAROLINA.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
ONE 14 PAGE REPORT

FUNDING:
DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES OF NORTH CAROLINA

INVENTORY:

PUBLICATIONS:
DATA CONTAINED IN REPORT NUMBER 73-5, A PRELIMINARY STUDY OF STORM-INDUCED BEACH EROSION FOR NORTH CAROLINA

CONTACT:
C.E. KNOWLES 919 737 3326
NORTH CAROLINA STATE UNIVERSITY
THE CENTER FOR MARINE AND COASTAL STUDIES
RALEIGH NORTH CAROLINA USA 27607

GRID LOCATOR (LAT):
730738 730747 730756 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	29 STATIONS			
TIME	EARTH	STATION TIME	YMD	29 STATIONS	EVERY 25 YEARS		
DEPOSITION	SEDIMENT	DIRECT		29 STATIONS	EVERY 25 YEARS		

004908

WACHAPREAGUE INLET STUDY II
DATA COLLECTED: FEBRUARY 1970 TO FEBRUARY 1970

RECEIVED: FEBRUARY 06, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WACHAPREAGUE INLET

ABSTRACT:
MISSION W006, FLIGHT 01, WAS ACCOMPLISHED ON FEBRUARY 20, 1970, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH 4 T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THIS FLIGHT WAS TO OBTAIN AERIAL PHOTOGRAPHY OF THE WACHAPREAGUE INLET, MILLSTONE CREEK, AND WACHAPREAGUE CHANNEL.
(MISSION NUMBER W006, FLIGHT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
73 9"X9" PRINTS

FUNDING:
VIRGINIA INSTITUTE OF MARINE SCIENCE

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NASA
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	76	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	76	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	76	STATIONS	4 RUNS	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

004909

WACHAPREAGUE INLET STUDY III
DATA COLLECTED: FEBRUARY 1970 TO FEBRUARY 1970

RECEIVED: FEBRUARY 06, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WACHAPREAGUE INLET

ABSTRACT:
MISSION W007, FLIGHT 01, WAS ACCOMPLISHED ON FEBRUARY 21, 1970, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH 4 T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN WETLAND AND MARSH IMAGERY OF THE WACHAPREAGUE INLET FOR USE IN TIDAL AND MARINE VEGETATION STUDIES. (MISSION NUMBER W007, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
183 9"X9" PRINTS

FUNDING:
VIRGINIA INSTITUTE OF MARINE SCIENCE

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NASA
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	183	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	183	STATIONS	4 RUNS		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	183	STATIONS		5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

DATA COLLECTED: JUNE 1969 TO JUNE 1969 RECEIVED: FEBRUARY 06, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WACHAPREAGUE INLET

ABSTRACT:
MISSION W001, FLIGHT 01, WAS ACCOMPLISHED ON JULY 2, 1969, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH 4 T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN BASE LINE IMAGERY OF THE WACHAPREAGUE INLET AND ASSOCIATED WETLANDS FOR USE IN STUDYING WETLAND MARSHES AND TIDAL DRAINAGE.
(MISSION NUMBER W001, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
184 9"X9" PRINTS

FUNDING:
VIRGINIA INSTITUTE OF MARINE SCIENCE

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NASA
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE & LATITUDE	184 STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	184 STATIONS	4 RUNS		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	184 STATIONS		5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

005056 DATING OF LATE PLEISTOCENE AND HOLOCENE RELATIVE SEA LEVELS IN COASTAL DELAWARE PAGE 01
DATA COLLECTED: 1966 TO 1974 RECEIVED: OCTOBER 03, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, COASTAL AREAS

ABSTRACT:
DATA ON THE CARBON-14 DATING OF ORGANIC MATERIALS PRESENT IN RECENT MARINE SEDIMENT CORES TAKEN IN THE STATE OF DELAWARE ARE PRESENTED IN REPORT FORM TO ILLUSTRATE THE DETERMINED LOCAL RELATIVE SEA LEVEL CURVE FOR HOLOCENE TIME WITH EXTENSIONS INTO LATE PLEISTOCENE EPOCH.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
95 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
BELKNAP, D.F., 1975. DATING OF LATE PLEISTOCENE AND HOLOCENE RELATIVE SEA LEVELS IN COASTAL DELAWARE. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 95 P.

CONTACT:
DANIEL F. BELKNAP 302 738 2569
GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	88	STATIONS			
TIME	EARTH	STATION TIME	Y	88	OBS			
CARBON-14/ CARBON-12 RATIO	SEDIMENT	SCINTILLATION COUNTER	AGE IN YEARS BEFORE PRESENT-5568 YEARS HALFLIFE AND 5730 YEARS HALFLIFE	88	OBS			ALL BIO SAMPLES DESCRIBED
DEPTH	SEDIMENT	DIRECT	FEET	88	OBS			SAMPLES ACQUIRED WITH TRUCK-MOUNTED AUGER DRILL, HAND DRIVEN

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								PLASTIC PIPE, PISTON OR VIBRACORE
ALTITUDE	LAND	DIRECT	FEET ABOVE (BELOW) CURRENT MEAN LOW SEA LEVEL	88	OBS			
SEDIMENT STRUCTURE	SEDIMENT	VISUAL	DESCRIPTIVE WORD	88	OBS			
AGE DATING	SEDIMENT	CARBON-14 UPTAKE		88	OBS			

005059

THE GREAT MARSH, LEWES, DELAWARE: THE PHYSIOGRAPHY, CLASSIFICATION, AND GEOLOGIC HISTORY OF A COASTAL MARSH

DATA COLLECTED: 1971 TO 1972

RECEIVED: OCTOBER 03, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY, GREAT MARSH OF LEWES

ABSTRACT:
DATA FROM SUBSURFACE INVESTIGATIONS OF THE GREAT MARSH, LEWES, DELAWARE, COLLECTED FROM 1971 TO 1972, ARE ANALYZED IN ORDER TO DEFINE A SERIES OF SEDIMENTARY FACIES AND ENVIRONMENTS OF DEPOSITION. THE SEDIMENTARY FACIES PATTERNS AND GEOLOGICAL HISTORY OF A COASTAL MARSH ARE DELINEATED AND A GENERAL SYSTEM OF MARSH CALSSIFICATION IS PROPOSED.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
123 PAGES

FUNDING:
OCEAN THEMIS SEDIMENTARY ENVIRONMENTS, OFFICE OF NAVAL RESEARCH

INVENTORY:

PUBLICATIONS:
ELLIOTT, G.K., 1973. THE GREAT MARSH, LEWES, DELAWARE: THE PHYSIOGRAPHY, CLASSIFICATION, AND GEOLOGIC HISTORY OF A COASTAL MARSH. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 123 P.

CONTACT:
GLEN K. ELLIOTT 302 738 2569
GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
LEWES DELAWARE USA 19711

GRID LOCATOR (LAT):
73078541

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	GENERAL AREA	MAP LOCATION	1	STATIONS			GREAT MARSH-LEWES, DELAWARE
TIME	EARTH	STATION TIME	Y	1	STATIONS			
SEDIMENT STRUCTURE	SEDIMENT	VISUAL	DESCRIPTIVE WORD RANGES	65	OBS			26 AUGER STATIONS: 39 CORE STATIONS
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	SPECIES	1	STATIONS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
PALEONTOLOGY	SEDIMENT	KEY	SPECIES	65 OBS			VISUAL AND MICROSCOPE IDENTIFICATION OF FORAMS AND BENTHIC ANIMALS

00506

A VOLUMETRIC ANALYSIS OF HOLOCENE SEDIMENTS UNDERLYING PRESENT DELAWARE SALT MARSHES INUNDATED BY DELAWARE BAY TIDES

DATA COLLECTED: JUNE 1972 TO JUNE 1972

RECEIVED: OCTOBER 03, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, MARINE TIDAL MARSHLAND

ABSTRACT:
DATA FROM 226 BORINGS DRILLED IN DELAWARE SALT MARSHES LYING BETWEEN WILMINGTON, NEW CASTLE COUNTY AND LEWES, SUSSEX COUNTY WERE USED TO CONSTRUCT ISOPACH MAPS OF HOLOCENE MUDS. PLANIMETRIC ANALYSES OF THESE MAPS AND STUDIES OF DRILL RECORDS PROVIDED INFORMATION NECESSARY TO MAKE ESTIMATES OF THE VOLUME OF FINE - AND COURSE - GRAINED SEDIMENT DEPOSITED DURING THE GREATER PART OF THE HOLOCENE EPOCH. THE INVESTIGATOR ONLY DRILLED 85 OF THE 226 BORINGS. DATA ON THE OTHER 141 WERE OBTAINED FROM J.C. KRAFT, DEPARTMENT OF GEOLOGY, UNIVERSITY OF DELAWARE; DELAWARE GEOLOGICAL SURVEY, DELAWARE STATE HIGHWAY DEPARTMENT AND G.K. ELLIOTT, DEPARTMENT OF GEOLOGY, UNIVERSITY OF DELAWARE.
(GRID LOCATOR - GENERAL LOCATION OF STUDY AREA, EXACT LOCATIONS OF ALL STATIONS GIVEN IN REPORT; OF 226 CORE SAMPLES USED IN WRITE-UP, 141 SAMPLES WERE OBTAINED FROM 4 OTHER SOURCES, THE DATA FROM THESE CORES ARE NOT INCLUDED IN PARAMETER MATRIX)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
103 PAGES

FUNDING:
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

INVENTORY:

PUBLICATIONS:
RICHTER, A., 1974, A VOLUMETRIC ANALYSIS OF HOLOCENE SEDIMENTS UNDERLYING PRESENT DELAWARE SALT MARSHES INUNDATED BY DELAWARE BAY TIDES. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 103 P.

CONTACT:
ALAN RICHTER 302 738 2569
GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	85	STATIONS			
TIME	EARTH	STATION TIME	Y	85	OBS			CORE SAMPLES
ALTITUDE	LAND	DIRECT	ELEVATION ABOVE MEAN SEA LEVEL IN FEET	85	OBS			
SEDIMENT	SEDIMENT	VISUAL	THICKNESS OF	85	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
STRUCTURE			HOLOCENE COARSE-AND FINE-GRAINED SEDIMENTS				
AGE DATING	SEDIMENT	STRATIGRAPHY	HOLOCENE MUD ISOPACH MAP FOR DELAWARE SALT MARSH AREAS IN 10 FOOT CONTOUR INTERVALS	1 OBS			DETERMINED FROM 226 CORES, 141 OF WHICH WERE FROM OTHER SOURCES

005145

SEDIMENT SAMPLES AND SIEVE ANALYSES FROM ATLANTIC CONTINENTAL SHELF AND SLOPE
DATA COLLECTED: JUNE 1972 TO SEPTEMBER 1973

RECEIVED: MARCH 10, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, CONTINENTAL SHELF AND SLOPE, CAPE MAY NEW JERSEY TO WALLOPS ISLAND, VIRGINIA

ABSTRACT:
APPROXIMATELY 100 SEDIMENT SAMPLES WERE COLLECTED BY A GRAB FROM THE CONTINENTAL SHELF AND CONTINENTAL SLOPE OF THE NORTH ATLANTIC BETWEEN CAPE MAY, NEW JERSEY AND WALLOPS ISLAND, VIRGINIA. SIEVE ANALYSES OF THE SAMPLES HAVE BEEN COMPLETED. BOTH SAMPLES AND ANALYSES ARE AVAILABLE FOR FURTHER STUDY.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
SAMPLES
APPROXIMATELY 100 SAMPLES, WITH SIEVE ANALYSES FOR EACH.

FUNDING:
DEPT OF GEOLOGY, SLIPPERY ROCK STATE COLLEGE

INVENTORY:

PUBLICATIONS:

CONTACT:
ALBERT N. WARD, JR. 412 794 7304
DEPARTMENT OF GEOLOGY, SLIPPERY ROCK STATE COLLEGE
SLIPPERY ROCK PENNSYLVANIA USA 16057

GRID LOCATOR (LAT):
730773 730774 730775 730783 730784 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMS	100	OBS			
TIME	EARTH	STATION TIME	YMD	100	OBS			
SAMPLE	SEDIMENT	GRAB		100	OBS			
SIZE ANALYSIS	SEDIMENT	SIEVE		100	OBS		BOTTOM	

006624

TIDAL STUDIES OF WACHAPREAGUE INLET
DATA COLLECTED: JUNE 1971 TO JUNE 1971

RECEIVED: JULY 07, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WACHAPREAGUE INLET

ABSTRACT:
MISSION W065, FLIGHT 02, WAS ACCOMPLISHED ON JUNE 1, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN BLACK AND WHITE AND FALSE COLOR INFRARED IMAGERY OF THE TIDAL CURRENTS PASSING THROUGH WACHAPREAGUE INLET.
(MISSION W065, FLIGHT 02)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
112 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	112	OBS			
TIME	EARTH	STATION TIME	YMD	112	OBS	4 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	BLACK AND WHITE CAMERA FROM AIRCRAFT	PRINTS	112	OBS	4 FLIGHTS PER LINE	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	112	OBS	4 FLIGHTS PER LINE	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

00662C

TIDAL STUDIES OF WACHAPREAGUE INLET
DATA COLLECTED: JUNE 1971 TO JUNE 1971

RECEIVED: JULY 07, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WACHAPREAGUE

ABSTRACT:
MISSION W067, FLIGHT 03, WAS ACCOMPLISHED ON JUNE 14, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN COLOR AND BLACK AND WHITE INFRARED IMAGERY OF WACHAPREAGUE INLET AND THE SHALLOW WATER OFF PARRAMORE ISLAND FOR USE IN STUDING TIDAL FLOWS.
(MISSION W067, FLIGHT 03)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
18 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	18	OBS			
TIME	EARTH	STATION TIME	YMD	18	OBS	2 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	18	OBS	2 FLIGHTS PER LINE	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	18	OBS	2 FLIGHTS PER LINE	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

006642

TIDAL STUDIES OF WACHAPREAGUE INLET AND PARRAMORE ISLAND
DATA COLLECTED: SEPTEMBER 1971 TO SEPTEMBER 1971

RECEIVED: AUGUST 30, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WACHAPREAGUE INLET AND PARRAMORE ISLAND

ABSTRACT:
MISSION W086, FLIGHT02, WAS ACCOMPLISHED ON SEPTEMBER 15, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN OCEAN AND TIDAL CURRENT DATA FROM COLOR AND FALSE COLOR INFRARED PHOTOGRAPHY OF THE WACHAPREAGUE INLET AND PARRAMORE ISLAND.
(MISSION W086, FLIGHT02)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
42 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	42	OBS			
TIME	EARTH	STATION TIME	YMD	42	OBS	3 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	42	OBS	3 FLIGHTS PER LINE	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	42	OBS	3 FLIGHTS PER LINE	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

006643

CURRENT STUDY AT THE MOUTH OF THE CHESAPEAKE BAY
DATA COLLECTED: SEPTEMBER 1971 TO SEPTEMBER 1971

RECEIVED: AUGUST 30, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA CHESAPEAKE BAY MOUTH

ABSTRACT:
MISSION W087, FLIGHT01, WAS ACCOMPLISHED ON SEPTEMBER 16, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO TRACE CURRENTS PASSING FROM THE MOUTH OF THE CHESAPEAKE BAY INTO THE REAR SHORE BARRIER ISLAND CURRENTS AND DETERMINE THE PRESENCE OF EDDIES AND BACK CURRENTS ALONG THE CAPE HENRY SHORELINE.
(MISSION W087, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
101 9" X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077545 73077525 73076555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	101	OBS			
TIME	EARTH	STATION TIME	YMD	101	OBS	4 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	101	OBS	4 FLIGHTS PER LINE	500, 1000, 1100, 5000 AND 5500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

RHODE RIVER WATERSHED VEGETATIVE AND DRAINAGE STUDY
DATA COLLECTED: OCTOBER 1971 TO OCTOBER 1971
RECEIVED: AUGUST 30, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, RHODE RIVER

ABSTRACT:
MISSION W089, FLIGHT01, WAS ACCOMPLISHED ON OCTOBER 7, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL IMAGERY OF THE RHODE RIVER WATERSHED FOR USE BY SMITHSONIAN INSTITUTE INVESTIGATORS IN COMPILING AN INTEGRATED STUDY OF THE WATERSHED VEGETATION, SOIL, AND SURFACE WATER OVER AN EXTENDED PERIOD OF TIME.
(MISSION W089, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
172 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	172	OBS			
TIME	EARTH	STATION TIME	YMD	172	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	172	OBS	1 FLIGHT PER LINE	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

006646

CECIL COUNTY WETLAND STUDIES-MARYLAND
DATA COLLECTED: OCTOBER 1971 TO OCTOBER 1971

RECEIVED: AUGUST 30, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, CECIL COUNTY

ABSTRACT:
MISSION W090, FLIGHT01, WAS ACCOMPLISHED ON OCTOBER 15, 1971, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY AND THE MARYLAND DEPARTMENT OF CHESAPEAKE BAY AFFAIRS. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY THE SEASONAL CHANGES OF FRESHWATER AND ESTUARINE MARSHES USING COLOR AND FALSE COLOR INFRARED AERIAL PHOTOGRAPHY.
(MISSION W090, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
246 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73079555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	246	OBS			
TIME	EARTH	STATION TIME	YMD	246	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	246	OBS	1 FLIGHT PER LINE	10000 AND 2000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	246	OBS	1 FLIGHT PER LINE	10000 AND 2000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, RHODES RIVER WATERSHED

ABSTRACT:
MISSION W073, FLIGHT01, WAS ACCOMPLISHED ON JULY 13, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN LARGE SCALE COLOR AND FALSE COLOR INFRARED IMAGERY OF THE RHODE RIVER WATERSHED FOR USE IN STUDYING THE INTERRELATIONSHIPS OF BIOLOGICAL, CULTURAL, AND METEOROLOGICAL FACTORS ON THE WATERSHED OVER AN EXTENDED PERIOD OF TIME.
(MISSION W073, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
190 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	190	OBS			
TIME	EARTH	STATION TIME	YMD	190	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	190	OBS	1 FLIGHT PER LINE	1200 AND 2500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	190	OBS	1 FLIGHT PER LINE	1200 AND 2500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

007192

BASE LINE DATA FLIGHT, HOG ISLAND/PIG POINT, VIRGINIA
DATA COLLECTED: JULY 1971 TO JULY 1971

RECEIVED: SEPTEMBER 14, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, HOG ISLAND, PIG POINT

ABSTRACT:
MISSION W075, FLIGHT02, WAS ACCOMPLISHED ON JULY 16, 1971, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH FOUR HASSELBLAD CAMERAS AND AN AN/AAD-2 THERMAL IR SCANNER. THE OBJECTIVE OF THE FLIGHT WAS TO ACQUIRE BASELINE THERMAL IR SCANNER AND MULTI-SPECTRAL PHOTOGRAPH DATA OVER THE HOG ISLAND/PIG POINT, VIRGINIA AREA.
(MISSION W075, FLIGHT02)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
134 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077614 73076633

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	8	OBS			
TIME	EARTH	STATION TIME	YMD	8	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	8	OBS	1 FLIGHT PER LINE	1000, 2000, 4500, 5000 AND 10,000 FEET	40 MM FOCAL LENGTH
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	8	OBS	1 FLIGHT PER LINE	1000, 2000, 4500, 5000 AND 10,000 FEET	40 MM FOCAL LENGTH

007193

BASE LINE DATA FLIGHT HOG ISLAND/PIG POINT, VIRGINIA
DATA COLLECTED: JULY 1971 TO JULY 1971

RECEIVED: SEPTEMBER 14, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, HOG ISLAND, PIG POINT

ABSTRACT:
MISSION W075, FLIGHT03, WAS ACCOMPLISHED ON JULY 21, 1971, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH AN AN/AAD-2 THERMAL IR SCANNER AND FOUR HASSELBLAD CAMERAS. THE OBJECTIVE OF THE FLIGHT WAS TO ACQUIRE THERMAL IR SCANNER AND MULTISPECTRAL PHOTOGRAPH DATA OVER HOG ISLAND/PIG POINT, VIRGINIA AREAS OF THE JAMES RIVER. DUE TO AN ELECTRAL MALFUNCTION, NO IR SCANS WERE TAKEN.
(MISSION W075, FLIGHT03)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
178 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077614 73076633

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	178	OBS			
TIME	EARTH	STATION TIME	YMD	178	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	178	OBS	1 FLIGHT PER LINE	4500 FEET	40 MM FOCAL LENGTH

007202

RHODES RIVER WATERSHED VEGETATIVE AND DRAINAGE STUDIES
DATA COLLECTED: AUGUST 1971 TO AUGUST 1971

RECEIVED: SEPTEMBER 14, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, RHODES RIVER WATERSHED

ABSTRACT:
MISSION W080, FLIGHT01, WAS ACCOMPLISHED ON AUGUST 23, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN LARGE AND SMALL IMAGERY OF THE RHODES RIVER WATERSHED. THE IMAGERY WILL BE USED IN CONJUNCTION WITH EXTENSIVE GROUND TRUTH INFORMATION IN PREPARING A COMPREHENSIVE LAND USE AND ECOSYSTEMS STUDY OF THE WATERSHED.
(MISSION W080, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
327 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	327	OBS			
TIME	EARTH	STATION TIME	YMD	327	OBS	3 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	327	OBS	3 FLIGHTS PER LINE	3500 AND 10,000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

00720:

BALTIMORE HARBOR BASE LINE STUDY
DATA COLLECTED: AUGUST 1971 TO AUGUST 1971

RECEIVED: SEPTEMBER 14, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., MARYLAND, BALTIMORE HARBOR

ABSTRACT:
MISSION W081, FLIGHT01, WAS ACCOMPLISHED ON AUGUST 25, 1971, UTILIZING A WALLOPS FLIGHT CENTER CHARTERED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN BASE LINE DATA FOR THE CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE OF THE BALTIMORE HARBOR AND ITS INDUSTRIAL, COMMERCIAL, AND RESIDENTIAL BORDER AREAS.
(MISSION W081, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
90 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73079625

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	90	OBS			
TIME	EARTH	STATION TIME	YMD	90	OBS	4 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	90	OBS	4 FLIGHTS PER LINE	10,000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

007210

RHODE RIVER WATERSHED DRAINAGE STUDY
DATA COLLECTED: JANUARY 1972 TO JANUARY 1972

RECEIVED: SEPTEMBER 16, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, RHODE RIVER WATERSHED

ABSTRACT:
MISSION W105, FLIGHT 01, WAS ACCOMPLISHED ON JANUARY 21, 1972 UTILIZING A WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN WINTER IMAGERY OF THE RHODE RIVER WATERSHED TO BE USED IN STUDING EROSIONAL PROCESSES AT WORK WITHIN THE AREA WITHOUT THE INTERFERENCE OF LEAF COVERAGE IN WOODED AREAS. A RUN WAS MADE OVER POPLAR AND COACHES ISLANDS FOR OBTAINING DATA OF EROSIONAL PROCESSES AT WORK ON THE BAYSIDE OF THE ISLANDS.
(MISSION, W105, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
184 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	184	OBS			
TIME	EARTH	SAMPLING TIME	YMDHM	184	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	184	OBS	1 FLIGHT PER LINE	2500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, TOM'S COVE

ABSTRACT:
MISSION W106, FLIGHT 04, WAS ACCOMPLISHED ON FEBRUARY 1, 1972, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE CHINCOTEAGUE NATIONAL WILDLIFE RESERVE OF THE BUREAU OF SPORT FISHERIES AND WILDLIFE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN LARGE SCALE IMAGERY OF THE LAND SURROUNDING TOM'S COVE FOR USE IN STUDYING EROSION AND DEPOSITIONAL FEATURES OF THE TERRAIN IN TOM'S COVE.
(MISSION W106, FLIGHT 04)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
28 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	28	OBS			
TIME	EARTH	SAMPLING TIME	YMDHM	28	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	28	OBS	1 FLIGHT PER LINE	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

007219

NORTH CAROLINA BARRIER ISLAND STUDY
DATA COLLECTED: FEBRUARY 1972 TO FEBRUARY 1972

RECEIVED: SEPTEMBER 16, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, BARRIER ISLANDS

ABSTRACT:
MISSION W107, FLIGHT 01, WAS ACCOMPLISHED ON FEBRUARY 4, 1972, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH THE GEOLOGICAL DEPARTMENT OF THE UNIVERSITY OF VIRGINIA FOR THE U.S. PARK SERVICE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL IMAGERY OF THE NORTH CAROLINA BARRIER ISLANDS FOR A CONTINUING STUDY OF LITTORAL CHANGES CAUSED BY TIDAL AND STORM ACTION OVER AN EXTENDED PERIOD OF TIME.
(MISSION W107, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
285 9"X9" PRINTS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73076525 73075555 73075535 73075525 73075610 73074645 73074655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	285	OBS			
TIME	EARTH	SAMPLING TIME	YMDHM	285	OBS	2 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	285	OBS	2 FLIGHT PER LINE	2500, 5000 & 10,000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

007216

LOWER JAMES RIVER BASE LINE DATA-VIRGINIA
DATA COLLECTED: FEBRUARY 1972 TO FEBRUARY 1972

RECEIVED: SEPTEMBER 16, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, PIG POINT, CRANEY ISLAND

ABSTRACT:
MISSION W107, FLIGHT 02, WAS ACCOMPLISHED ON FEBRUARY 4, 1972, UTILIZING A WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN BASELINE DATA OF THE TRANSPORTATION OF ESTUARINE SEDIMENTS IN THE VICINITY OF PIG POINT ON THE LOWER JAMES RIVER.
(MISSION W107, FLIGHT 02)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
31 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73076655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	31	OBS			
TIME	EARTH	STATION TIME	YMD	31	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	31	OBS	1 FLIGHT PER LINE	2500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

007217

ASSATEAGUE ISLAND STUDY-MARYLAND
DATA COLLECTED: FEBRUARY 1972 TO FEBRUARY 1972

RECEIVED: SEPTEMBER 16, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, MARYLAND, ASSATEAGUE ISLAND

ABSTRACT:
MISSION W107, FLIGHT 03, WAS ACCOMPLISHED ON FEBRUARY 4, 1972, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH THE GEOLOGY DEPARTMENT OF THE UNIVERSITY OF VIRGINIA FOR THE U.S. PARK SERVICE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN WINTER IMAGERY OF ASSATEAGUE ISLAND FOR DETERMINING LITTORAL EROSIONAL CHANGES BROUGHT ABOUT BY LATE FALL AND EARLY WINTER STORMS.
(MISSION W107, FLIGHT 03)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
67 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077554 73078541

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	67	OBS			
TIME	EARTH	STATION TIME	YMD	67	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	67	OBS	1 FLIGHT PER LINE	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, RHODE RIVER

ABSTRACT:
MISSION W116, FLIGHT 02, WAS ACCOMPLISHED ON MARCH 28, 1972, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA AND ONE AAD-2 THERMAL IR SCANNER IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO PROVIDE COMPARATIVE COLOR AND INFRARED IMAGERY OF THE RHODE RIVER WATERSHED.
(MISSION W116, FLIGHT 02)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
140 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	36	OBS			
TIME	EARTH	STATION TIME	YMD	36	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	36	OBS	1 FLIGHT PER LINE	2500 & 10,000 FEET	152 AND FOUR-TENTHS MM AND 20 AND ONE-TENTH MM FOCAL LENGTHS
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	36	OBS	1 FLIGHT PER LINE	2500 & 10,000 FEET	152 AND FOUR-TENTHS MM AND

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							20 AND ONE-TENTH MM FOCAL LENGTHS

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY AREA

ABSTRACT:
MISSION W117, FLIGHT 01, WAS ACCOMPLISHED ON APRIL 5, 1972, UTILIZING A WALLOPS FLIGHT CENTER QUEEN AIR AIRCRAFT EQUIPPED WITH FOUR HASSELBLAD CAMERAS, IN COOPERATION WITH NASA'S GODDARD SPACE FLIGHT CENTER. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL IMAGERY OF A VARIETY OF LAND FORMS FOUND IN THE CHESAPEAKE BAY AREA. IMAGES WERE TAKEN OF BARRIER ISLANDS, INLAND WETLANDS, HEAVILY DISECTED UPLANDS, AND HEAVILY WOODED LOWLANDS.
(MISSION W117, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
277 70MM PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078650 73077555 73078503 73078635 73078634 73078754 73078740

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	277	STATIONS			
TIME	EARTH	STATION TIME	YMD	277	OBS	4 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	277	OBS	4 FLIGHTS PER LINE	5000 & 10,000 FEET	40 MM FOCAL LENGTH

00723

INDIAN RIVER INLET WAVE STUDY
DATA COLLECTED: AUGUST 1973 TO AUGUST 1973

RECEIVED: OCTOBER 19, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE, MARYLAND

ABSTRACT:
MISSION W229, FLIGHT 02, WAS ACCOMPLISHED ON AUGUST 17, 1973, UTILIZING THE WALLOPS STATION C54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA AND A HELIUM NEON LASER IN COOPERATION WITH THE NASA LANGLEY RESEARCH CENTER AND THE COLLEGE OF MARINE STUDIES AT THE UNIVERSITY OF DELAWARE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL PHOTOGRAPHY AND LASER PROFILES OF WAVES APPROACHING INDIAN RIVER BAY, DELAWARE FROM A DISTANCE OF 50 MILES OFF SHORE UP TO THE INDIAN RIVER INLET.
(MISSION W229, FLIGHT 02)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
45, 9"X9" PRINTS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078541 73078542 73078543 73078544 73078545 73078520

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	2	STATIONS			
TIME	EARTH	STATION TIME	YMD	2	OBS	1 FLIGHT		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	2	OBS	1 FLIGHT	5000 & 500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
WAVE AMPLITUDE	WATER	LASER		2	OBS	1 FLIGHT		
WAVE DIRECTION	WATER	LASER		2	OBS	1 FLIGHT		
WAVE SPEED	WATER	LASER		2	OBS	1 FLIGHT		
WAVE PERIOD	WATER	LASER		2	OBS	1 FLIGHT		

007236 WAVE PROFILE STUDY-MARYLAND PAGE 01
DATA COLLECTED: AUGUST 1973 TO AUGUST 1973 RECEIVED: OCTOBER 19, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., MARYLAND

ABSTRACT:
MISSION W229, FLIGHT 01, WAS ACCOMPLISHED ON AUGUST 17, 1973, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA AND A HELIUM NEON LASER, IN COOPERATION WITH THE NASA LANGLEY RESEARCH CENTER. THE OBJECTIVE OF THE FLIGHT WAS TO MAKE A STUDY OF WAVE ACTION USING AERIAL PHOTOGRAPHY AND LASER PROFILE TAPES.
(MISSION W229, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
49, 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
7307850150

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	1 STATIONS			
TIME	EARTH	STATION TIME	YMD	1 OBS	2 FLIGHTS		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	1 OBS	2 FLIGHTS	5000 AND 500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
WAVE AMPLITUDE	WATER	LASER		1 OBS	2 FLIGHTS		
WAVE DIRECTION	WATER	LASER		1 OBS	2 FLIGHTS		
WAVE SPEED	WATER	LASER		1 OBS	2 FLIGHTS		
WAVE PERIOD	WATER	LASER		1 OBS	2 FLIGHTS		

COASTAL CURRENT STUDY ALONG THE VIRGINIA COAST
DATA COLLECTED: APRIL 1972 TO APRIL 1972

RECEIVED: OCTOBER 19, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA

ABSTRACT:
MISSION W121, FLIGHT 01, WAS ACCOMPLISHED ON APRIL 20, 1972, UTILIZING A WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS, IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL PHOTOGRAPHY OF DYE DISPERSION ALONG THE LOWER COAST OF THE DELMARVA PENINSULA FROM THE CAPE CHARLES LIGHTHOUSE ON SMITH ISLAND PAST THE MOUTH OF THE CHESAPEAKE BAY TO JUST SOUTH OF THE CITY OF VIRGINIA BEACH ON THE LOWER VIRGINIA COAST FOR USE IN A COASTAL CURRENT STUDY.
(MISSION W121, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
491, 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730776 730775 730765 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	15	STATIONS			
TIME	EARTH	STATION TIME	YMD	15	OBS	3 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	15	OBS	3 FLIGHTS PER LINE	6000, 8000, 8500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

007394 GEOLOGICAL INVESTIGATIONS OF MARYLAND'S ATLANTIC OCEAN AND CHESAPEAKE BAY SHORELINES PAGE 01

DATA COLLECTED: NOVEMBER 1973 TO NOVEMBER 1973 RECEIVED: NOVEMBER 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND

ABSTRACT:
MISSION W245, FLIGHT 01, WAS ACCOMPLISHED ON NOVEMBER 1, 1973, UTILIZING THE WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA AND AN I2S MULTISPECTRAL CAMERA SYSTEM IN COOPERATION WITH THE GEOLOGICAL SURVEY BRANCH OF THE MARYLAND DEPARTMENT OF NATURAL RESOURCES. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN FALSE COLOR INFRARED AND MULTISPECTRAL PHOTOGRAPHY OF MARYLANDS ATLANTIC OCEAN AND CHESAPEAKE BAY SHORELINES. THE IMAGERY WILL BE USED IN SENSING THE VALUE OF ERTS IMAGERY FOR MONITORING SHORELINE CHANGES.
(MISSION W245, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
600, 70MM PRINTS; 134, 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078540 73078502 73078515 73077555 73078643 73078732 73078740 73078621 73078740 73078C 73079603 73078653

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	734	OBS			
TIME	EARTH	STATION TIME	YMD	734	OBS	5 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	734	OBS	5 FLIGHTS PER LINE	9500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	734	OBS	5 FLIGHTS PER LINE	9500 FEET	100 MM FOCAL LENGTH

007395 GEOLOGICAL INVESTIGATIONS OF MARYLAND'S ATLANTIC OCEAN AND CHESAPEAKE BAY SHORELINES

DATA COLLECTED: NOVEMBER 1973 TO NOVEMBER 1973 RECEIVED: NOVEMBER 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND

ABSTRACT:
MISSION W245, FLIGHT 02, WAS ACCOMPLISHED ON NOVEMBER 2, 1973, UTILIZING THE WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA AND AN I2S MULTISPECTRAL CAMERA SYSTEM IN COOPERATION WITH THE GEOLOGICAL SURVEY BRANCH OF THE MARYLAND DEPARTMENT OF NATURAL RESOURCES. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN FALSE COLOR INFRARED AND MULTISPECTRAL PHOTOGRAPHIC IMAGERY OF CHESAPEAKE BAY AND POTOMAC RIVER SHORELINES FOR USE IN ASSESSING THE VALUE OF ERTS IMAGERY IN MONITORING SHORELINE CHANGES.
(MISSION W245, FLIGHT 02)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
137, 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73079641 73078654 73079643 73078634 73079650

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	137	OBS			
TIME	EARTH	STATION TIME	YMD	137	OBS	2 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	137	OBS	2 FLIGHTS PER LINE	9500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	137	OBS	2 FLIGHTS PER LINE	9500 FEET	152 AND FOUR-TENTHS MM

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE

ABSTRACT:
MISSION W244, FLIGHT 01, WAS ACCOMPLISHED ON OCTOBER 15, 1973, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE COLLEGE OF MARINE STUDIES OF THE UNIVERSITY OF DELAWARE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN COLOR AND FALSE COLOR INFRARED PHOTOGRAPHY OF THE DELAWARE WETLANDS SURROUNDING REHOBETH AND INDIAN RIVER BAYS. THIS IMAGERY WILL BE USED IN MAPPING SPECIES, LOCATION AND EXTENT OF WETLAND VEGETATION IN THESE BAY AREAS. (MISSION W244, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
266, 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078551 73078541 73078531

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	266	OBS			
TIME	EARTH	STATION TIME	YMD	266	OBS	5 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	266	OBS	5 FLIGHTS PER LINE	6000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	266	OBS	5 FLIGHTS PER LINE	6000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, DELAWARE

ABSTRACT:
MISSION W251, FLIGHT 01, WAS ACCOMPLISHED ON OCTOBER 16, 1973, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA AND I2S MULTISPECTRAL CAMERA SYSTEM. THE FLIGHT WAS MADE IN COOPERATION WITH THE WATER RESOURCE DIVISION OF THE U.S. GEOLOGICAL SURVEY. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN MULTISPECTRAL IMAGERY OF THE RIVER BASIN DURING EARLY AUTUMN FOR USE IN STUDYING AND DEFINING RIVER BASIN DYNAMICS.
(MISSION W251, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
61, 9"X9" PRINTS, 244, 70 MM PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
7307864032 7307855313

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	305	OBS			
TIME	EARTH	STATION TIME	YMD	305	OBS	5 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	305	OBS	5 FLIGHTS PER LINE	5500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	305	OBS	5 FLIGHTS PER LINE	5500 FEET	100 MM FOCAL LENGTH

007491

BARRIER ISLAND STUDIES OF DELAWARE, MARYLAND, VIRGINIA, & N.C.
DATA COLLECTED: JUNE 1974 TO JUNE 1974

RECEIVED: NOVEMBER 23, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S..

ABSTRACT:
MISSION W271, FLIGHT 01, WAS ACCOMPLISHED ON JUNE 4, 1974, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH THE GEOLOGY DEPARTMENT OF THE UNIVERSITY OF VIRGINIA. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN SPRING IMAGERY OF THE MID-ATLANTIC STATES BARRIER ISLANDS FOR USE IN EVALUATING THE EFFECTS OF WINTER STORMS ON THE BEACHES AND INLETS.
(MISSION W271, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
288, 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078551 73078541 73077515 73076650 73075524 73074652

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	268	OBS			
TIME	EARTH	STATION TIME	YMD	268	OBS	2 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	288	OBS	2 FLIGHTS PER LINE	10,000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

007834

BASELINE SURVEY FOR WYE ISLAND, MARYLAND
DATA COLLECTED: JANUARY 1974 TO MARCH 1974

RECEIVED: JULY 26, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, CHESAPEAKE BAY, EASTERN BAY, EASTERN SHORE, WYE ISLAND

ABSTRACT:
A DATA BASELINE SURVEY WAS COLLECTED FOR WYE ISLAND, MARYLAND, JANUARY THROUGH MARCH, 1974. THE FOLLOWING DATA WAS COLLECTED: GEOLOGY, EROSIOO, WIND, RAINFALL, TEMPERATURE, SOIL CHARACTERISTICS, WATER TABLE DEPTH, AND VEGETATION ON THE ISLAND.

DATA AVAILABILITY:
AVAILABLE UPON REQUEST FROM BARBARA SCHENKLE AT THE OFFICES OF WMRT IN PHILADELPHIA

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
100 PAGES

FUNDING:
THE ROUSE COMPANY, COLUMBIA MARYLAND

INVENTORY:

PUBLICATIONS:

CONTACT:
BARBARA SCHENKLE 215 564 2611
WALLACE, MCHARG, ROBERTS AND TODD INCORPORATED
1737 CHESTNUT STREET
PHILADELPHIA PENNSYLVANIA USA 19103

GRID LOCATOR (LAT):
7307865100 7307865299

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	1	STATIONS			STATION REPRESENTS THE AREA OF WYE ISLAND
TIME	EARTH	STATION TIME	YMD	1	STATIONS			
SOIL STRUCTURE	LAND	VISUAL	QUALITATIVE UNITS	1	STATIONS	1 SURVEY/AREA		STRATIGRAPHIC DESCRIPTION
DEPOSITION RATE	LAND	DIRECT	ACRES/MILE/YEAR	6	OBS	6 STATIONS/ AREA		
WIND DIRECTION	AIR	DIRECTION VANE	COMPASS DIRECTION	1	STATIONS	SEASONAL		1 YEAR DURATION
WIND SPEED	AIR	ANEMOMETER	MILES/HOUR	1	STATIONS	SEASONAL		1 YEAR DURATION
PRECIPITATION	AIR	DIRECT	INCHES	1	STATIONS	MONTHLY		AT ANNAPOLIS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
AMOUNT TEMPERATURE	AIR	MERCURY THERMOMETER	DEG F	1	STATIONS	MONTHLY		MEAN DAILY TEMPERATURE
SOIL TYPE	LAND	VISUAL	QUALITATIVE UNITS	17	OBS	1 SURVEY/AREA		DESCRIPTION OF SOIL DEPTH AND SUSCEPTIBLE EROSION
SIZE ANALYSIS	LAND	VISUAL	QUALITATIVE UNITS	17	OBS	1 SURVEY/AREA		
PERMEABILITY	LAND	PENETROMETER	INCHES/HOUR	1	STATIONS	3 OBS/AREA		
WATER TABLE ELEVATION	LAND	DIRECT	FEET	1	STATIONS	3 OBS/AREA		
TAXONOMIC LIST OF LAND PLANTS	LAND	KEY	QUALITATIVE UNITS	1	STATIONS	1 SURVEY/AREA		

007839

ECOLOGICAL SURVEY WYE ISLAND ESTUARY
DATA COLLECTED: AUGUST 1973 TO NOVEMBER 1973

RECEIVED: JULY 26, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, CHESAPEAKE BAY, WYE ISLAND ESTUARY, WYE EAST RIVER, WYE RIVER

ABSTRACT:
THIS FILE CONTAINS DATA PERTINENT TO AN ECOLOGICAL AND ENVIRONMENTAL SURVEY OF WYE ISLAND ESTUARINE WATERS INCLUDING WYE RIVER, WYE EAST RIVER AND EAST BAY. THE SURVEY, TAKEN FROM AUGUST TO NOVEMBER 1973, MEASURED WATER FLOW, SALINITY, TEMPERATURE, PH, DISSOLVED OXYGEN, DEPTH, COUNT AND SPECIES OF: FISH, CRABS, CLAMS, BENTHIC ANIMALS, SIZE OF CLAMS, CRABS, FISH, AND DRAINAGE AREA OF ESTUARY.
(THIS REPORT WAS DONE FOR THE ROUSE COMPANY OF COLUMBIA, MARYLAND)

DATA AVAILABILITY:
UPON REQUEST AND PERMISSION AT WALLACE, MCHARG, ROBERTS, AND TODD OFFICES IN PHILADELPHIA

PLATFORM TYPES:
FIXED STATION; SHIP

ARCHIVE MEDIA:
REPORTS
75 PAGES

FUNDING:
THE ROUSE COMPANY (COLUMBIA MARYLAND)

INVENTORY:

PUBLICATIONS:

CONTACT:
BARBARA SHENKLE 215 564 2611
WALLACE, MCHARG, ROBERTS AND TODD INCORPORATED
1737 CHESTNUT STREET
PHILADELPHIA PENNSYLVANIA USA 19103

GRID LOCATOR (LAT):
7307865100

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP POSITIONS	20	STATIONS	1 TO 3 SURVEYS		
TIME	EARTH	STATION TIME	YMD	20	STATIONS	1 TO 3 SURVEYS		
SALINITY	WATER	CONDUCTIVITY	PPT	60	OBS	1 OBS/STATION/ 5 METERS OF DEPTH		20 STATIONS SURVEYED 3 TIMES EACH
WATER TRANSPORT	WATER	FLOW METER	CUBIC METER/ SECOND	12	OBS	2 OBS/STATION		1 MEASUREMENT AT MEAN LOW WATER AND 1 AT

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								MEAN HIGH WATER PER STATION
TEMPERATURE	WATER	REVERSING THERMOMETER	DEG C	60	OBS	1 OBS/STATION/ 5 METERS OF DEPTH		20 STATIONS SURVEYED 3 TIMES EACH
DEPTH	WATER	WIRE LENGTH	METERS	30	OBS	3 OBS/STATION		
PH	WATER	PH METER	PH UNITS	21	OBS	2 OBS/STATION/ SAMPLING		10 STATIONS MEASURED BUT NOT ON EACH OF 3 SURVEYS
DISSOLVED OXYGEN GAS	WATER	TITRATION	PARTS PER MILLION	21	OBS	2 OBS/STATION/ SAMPLING		10 STATIONS MEASURED BUT NOT ON EACH OF 3 SURVEYS
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER/SPECIES	15	STATIONS			SEINE AND OTTER TRAWL NETS USED
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	NUMBER/SPECIES	15	STATIONS			SEINE AND OTTER TRAWL NETS USED
MORPHOMETRIC MEASUREMENT OF PELAGIC FISH	WATER	DIRECT	MILLIMETERS	15	STATIONS			SEINE AND OTTER TRAWL NETS USED
COUNT OF ZOOPLANKTON	WATER	MICROSCOPE	NUMBER/CUBIC METER	5	STATIONS	1 SURVEY		
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY	NUMBER/SPECIES	5	STATIONS	1 SURVEY		
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER/SQUARE METER/SPECIES	15	STATIONS	1 TO 3 SURVEYS		BLUE CRABS AND CLAMS IN PARTICULAR WERE MEASURED BUT ALSO OTHER SPECIES WERE NOTED
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER/SQUARE METER/SPECIES	15	STATIONS	1 TO 3 SURVEYS		BLUE CRABS AND CLAMS IN PARTICULAR WERE MEASURED BUT ALSO OTHER SPECIES WERE NOTED
MORPHOMETRIC MEASURE OF BENTHIC ANIMALS	BOTTOM	DIRECT	MILLIMETERS	15	STATIONS	1 TO 3 SURVEYS		BLUE CRABS AND CLAMS IN PARTICULAR WERE MEASURED BUT ALSO OTHER SPECIES WERE NOTED
LAND USE	LAND	AERIAL PHOTOGRAPHY	ACRES	1	OBS	1 SURVEY		WYE ISLAND DRAINAGE AREA

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							STUDIED

DATA COLLECTED: JANUARY 1974 TO DECEMBER 1974 RECEIVED: AUGUST 12, 1976

PROJECTS:
ENLARGEMENT OF THE CHESAPEAKE AND DELAWARE CANAL

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELMARVA PENINSULA, CHESAPEAKE AND DELAWARE CANAL

ABSTRACT:
DATA COLLECTED ON THE FISHES PRESENT IN THE CHESAPEAKE AND DELAWARE CANAL AND ADJACENT WATERS OF THE DELAWARE AND ELK RIVERS DURING THE 1974 ECOLOGICAL STUDY OF THE AQUATIC ENVIRONMENT IN THE VICINITY OF THE PROPOSED SUMMIT POWER PLANT ARE PRESENTED IN REPORT FORM. THE DATA WERE GATHERED IN 325 HAULS OF A 16-FOOT TRAWL, 83 HAULS OF A 10-FOOT TRAWL, 358 SEINE COLLECTIONS, 70 GILLNET SETS AND 21 DAYS OF CREEL CENSUS. SPECIES DETERMINATIONS AND DISTRIBUTIONS ARE PRESENTED ON A BIWEEKLY BASIS IN ORDER TO OBTAIN INFORMATION ON SEASONAL CHANGES IN POPULATION STRUCTURE. STOMACH ANALYSES OF SEVERAL SPECIES OF FISH ARE ALSO GIVEN ON A SEASONAL BASIS. LENGTH-FREQUENCY DISTRIBUTIONS AND CALCULATED GROWTH RATES OF PROMINENT SPECIES ARE INCLUDED, AS ARE THE RESULTS OF TAGGING STUDIES AND FECUNDITY STUDIES OF EGG PRODUCTION. DATA ON WATER DEPTH, SALINITY, CONDUCTIVITY, TEMPERATURE, DISSOLVED OXYGEN GAS, PH, SECCHI DISK DEPTH, AND TIDAL PHASE, OBTAINED DURING ALL SAMPLING EVENTS OF FISH, ARE LIKEWISE AVAILABLE IN THE REPORT.

DATA AVAILABILITY:
UPON REQUEST AND PERMISSION OF DELMARVA POWER AND LIGHT COMPANY

PLATFORM TYPES:
SHIP; FIXED STATION

ARCHIVE MEDIA:
REPORTS
327 PAGES

FUNDING:
DELMARVA POWER AND LIGHT COMPANY

INVENTORY:

PUBLICATIONS:
INTERPRETIVE REPORT 1974 BY ICHTHYOLOGICAL ASSOCIATES FOR UNITED ENGINEERS AND CONSTRUCTORS INC., CLIENT: DELMARVA POWER AND LIGHT COMPANY

CONTACT:
HUDSON HOEN 302 429 3205
DELMARVA POWER AND LIGHT COMPANY
800 KING STREET
WILMINGTON DELAWARE USA 19899

GRID LOCATOR (LAT):
73079534

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	82	STATIONS			12 16-FOOT TRAWL STATIONS, 14 10-FOOT TRAWL STATIONS, 10 SEINE STATIONS, 3 GILLNET STATIONS, 13 CREEL CENSUS STATIONS
TIME	EARTH	STATION TIME	HRS	436	OBS	VARIES - WEEKLY TO MONTHLY		325 16-FOOT TRAWL HAULS, 83 10-FOOT TRAWL HAULS, 358 SEINE COLLECTIONS, 70 GILLNET SETS; ALSO 21 CREEL CENSUS DAYS
SALINITY	WATER	CONDUCTIVITY	PPT	429	OBS		SURFACE, BOTTOM WHEN STATION DEPTH GREATER THAN 10 FEET	
ELECTRICAL CONDUCTIVITY	WATER	IN SITU CONDUCTIVITY CELL/TEMPERATURE CORRECTED	ELECTRICAL CONDUCTIO. UNITS	428	OBS		SURFACE, BOTTOM WHEN STATION DEPTH GREATER THAN 10 FEET	
TEMPERATURE	WATER	THERMISTOR	DEG C	1067	OBS		SURFACE, BOTTOM WHEN STATION DEPTH GREATER THAN 10 FEET	
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	PPM	437	OBS		SURFACE, BOTTOM WHEN STATION DEPTH GREATER THAN 10 FEET	
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	INCHES	412	OBS			
PH	WATER	PH METER	PH UNITS	970	OBS		SURFACE, BOTTOM WHEN STATION DEPTH GREATER THAN 10 FEET	
TIDAL CURRENT	WATER	DIRECTION VANE	COMPASS	563	OBS			

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PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DIRECTION			DIRECTION					
TIDAL PHASE	WATER	VISUAL	HIGH/LOW/MID	770	OBS			
TEMPERATURE	AIR	MERCURY THERMOMETER	DEG C	876	OBS			
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	SPECIES PER OBS PER STATION	936	OBS			
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS PER SPECIES PER OBS PER STATION	936	OBS			
CATCH/EFFORT OF PELAGIC FISH	WATER	NET	MEAN NUMBER OF INDIVIDUALS PER SPECIES PER OBS BY MONTH	478	OBS			16-FOOT TRAWL DAYLIGHT; 16-FOOT TRAWL NIGHT; 10-FOOT TRAWL DAYLIGHT; GILLNET DAYLIGHT
CATCH/EFFORT OF PELAGIC FISH	WATER	HOOKS	MEAN NUMBER OF INDIVIDUALS PER MAN-HOUR PER STATION	4861	DAYS			
CATCH/EFFORT OF BENTHIC ANIMALS	BOTTOM	TRAP	MEAN NUMBER OF INDIVIDUALS TRAPPED PER MAN-HOUR BY STATION	1824	DAYS			BLUE CRAB-CREEL SURVEY
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS CAUGHT BY POLLED FISHERMEN PER STATION PER MONTH	21	DAYS			
LENGTH OF PELAGIC FISH	WATER	FORK LENGTH	NUMBER OF INDIVIDUALS PER SPECIES PER 5-MM UNITS OF FORK LENGTH BY MONTHLY CATCH	15011	OBS			16-FOOT TRAWL, SEINE AND 10-FOOT TRAWL; CATCHES LISTED SEPARATELY
DIVERSITY INDEX OF PELAGIC FISH	WATER	MACARTHUR		33	OBS			SEINE DAYLIGHT, 16-FOOT TRAWL DAYLIGHT, SEINE NIGHT AND 16-FOOT TRAWL NIGHT INDICES SEPARATE
SPORT FISHERIES	WATER	QUESTIONNAIRE	MEAN NUMBER OF	4861	DAYS			

Reproduced from best available copy.

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ACTIVITIES			INDIVIDUALS PER MAN-HOUR BY MONTH					
LENGTH/WEIGHT RATIO IN PELAGIC FISH	WATER	CALCULATED		30	OBS			
MORPHOMETRIC MEASURE OF BENTHIC ANIMALS	BOTTOM	DIRECT	NUMBER OF CRABS PER 5 MM INTERVALS OF CARAPACE WIDTH PER MONTHLY SAMPLE PER STATION	707	OBS			3 STATIONS, APRIL - NOVEMBER
SEX DETERMINATION OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF MALES/ FEMALES PER 5 MM INTERVALS OF CARAPACE WIDTH PER MONTHLY SAMPLE PER STATION	707	OBS			
GROWTH STUDIES OF PELAGIC FISH	WATER	LENGTH/TIME	PERCENT TOTAL GROWTH PER YEAR CLASS PER YEAR	384	OBS			WHITE PERCH - MALE AND FEMALE COMBINED
STOMACH CONTENT ANALYSIS OF PELAGIC FISH	WATER	VISUAL	SPECIES	40	OBS			DETERMINED FOR 8 SPECIES OF FISH
FECUNDITY OF PELAGIC FISH	WATER	MECHANICAL	NUMBER OF EGGS 50 G SAMPLE OF OVARY PER INDIVIDUAL	16	OBS			WHITE PERCH EXAMINED FROM APRIL 16 - MAY 7, 1974
WEIGHT OF PELAGIC FISH	WATER	WET WEIGHT	G OF INDIVIDUAL	16	OBS			WHITE PERCH EXAMINED FROM APRIL 16 - MAY 7, 1974
AGE DATING OF PELAGIC FISH	WATER	SCALES	DESCRIPTIVE TERMS FOR AGE GROUP	16	OBS			WHITE PERCH EXAMINED FROM APRIL 16 - MAY 7, 1974

NAPIS 76-1613 NATIONAL OCEAN SURVEY TIDAL INFORMATION
DATA COLLECTED: JANUARY 1972 TO JUNE 1974

RECEIVED: NOVEMBER 29, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHEASAPEAKE BAY

ABSTRACT:
THIS FILE CONTAINS WATER LEVEL MEASUREMENTS TAKEN EVERY HALF HOUR IN CHEASAPEAKE BAY FROM JANUARY 1, 1972 THROUGH JUNE 30, 1974 BY THE NATIONAL OCEAN SURVEY.

DATA AVAILABILITY:
AVAILABLE AT COST OF REPRODUCTION

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
1 REEL MAGNETIC TAPE

FUNDING:

INVENTORY:
NAPIS

PUBLICATIONS:

CONTACT:
OCEANOGRAPHIC SERVICES BRANCH, D761 202 634 7500
NATIONAL OCEANOGRAPHIC DATA CENTER
NOAA/EDS/NODC
WASHINGTON DISTRICT OF COLUMBIA USA 20235

GRID LOCATOR (LAT):
730766 730775 730776 730786 730787 730795 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMT	15	STATIONS			
TIME	EARTH	STATION TIME	YMDHTG	15	STATIONS	EVERY HALF HOUR		
WATER LEVEL	WATER	UNKNOWN		15	STATIONS			

008660

VIRGINIA OUTTER BANK WAVE STUDY
DATA COLLECTED: NOVEMBER 1974 TO NOVEMBER 1974

RECEIVED: MARCH 07, 1977

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA

ABSTRACT:
MISSION W268, FLIGHT 01, WAS ACCOMPLISHED ON NOVEMBER 9, 1974 UTILIZING THE WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS, IN COOPERATION WITH NASA'S LANGLEY RESEARCH CENTER. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY WAVE PATTERNS ALONG THE VIRGINIA OUTER BANKS ISLANDS FROM TOM'S CAVE TO LITTLE MACHIPONGO INLET.
(MISSION W268, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
120 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077552 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	120	OBS			
TIME	EARTH	SAMPLING TIME	YMD	120	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	120	OBS	1 FLIGHT PER LINE	1,500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

008672

WETLAND MAPPING STUDY-MARYLAND
DATA COLLECTED: JULY 1974 TO JULY 1974

RECEIVED: MARCH 07, 1977

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND

ABSTRACT:
MISSION W288, FLIGHT 01, WAS ACCOMPLISHED ON JULY 31, 1974, UTILIZING THE WALLOPS STATION UH-1H HELICOPTER EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS AND AN I2S "B" MULTISPECTRAL CAMERA SYSTEM IN COOPERATION WITH THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO PROVIDE REMOTE SENSING IMAGERY IN MULTIPLE WAVELENGTH BANDS AT A VARIETY OF SCALES FOR USE IN DETERMINING THE BEST TECHNIQUES IN MAKING DETAILED WETLAND MAPPING STUDIES.
(MISSION W288, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
340 70MM PRINTS; 171 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078525 73078640

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	511	OBS			
TIME	EARTH	STATION TIME	YMD	511	OBS	12 FLIGHTS/ LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	340	OBS	12 FLIGHTS/ LINE	250, 450, 500 AND 1500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	171	OBS	12 FLIGHTS/ LINE	250, 450, 500 AND 1500 FEET	100MM FOCAL LENGTH

008673

YORK RIVER, MOBJACK BAY EEL GRASS STUDIES-VIRGINIA
DATA COLLECTED: JUNE 1974 TO JUNE 1974

RECEIVED: MARCH 07, 1977

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., VIRGINIA

ABSTRACT:
MISSION W290, FLIGHT 01, WAS ACCOMPLISHED ON JUNE 13, 1974, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH FOUR HASSELBLAD 70MM CAMERAS AND AN I2S "B" MULTIBAND CAMERA SYSTEM IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY THE DISTRIBUTION OF EEL GRASS ALONG THE WESTERN SHORE OF THE CHESAPEAKE BAY IN THE YORK RIVER, AND FROM MOBJACK BAY TO THE MOUTH OF THE RAPPAHANNOCK RIVER.
(MISSION W290, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
632 70MM PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077613 73077635 73077632 73077653

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	632	OBS			
TIME	EARTH	SAMPLING TIME	YMDHM	632	OBS	8 FLIGHTS/ LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	632	OBS	8 FLIGHTS/ LINE	9,500 FEET	40MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	632	OBS	8 FLIGHTS/ LINE	9,500 FEET	100MM FOCAL LENGTH

JAMES RIVER WATER POLLUTION STUDY-VIRGINIA
DATA COLLECTED: MAY 1974 TO MAY 1974

RECEIVED: MARCH 07, 1977

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., VIRGINIA, HAMPTON ROADS, JAMES RIVER, HOG ISLAND

ABSTRACT:
MISSION W276, FLIGHT 01, WAS ACCOMPLISHED ON MAY 28, 1974, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH FOUR HASSELBLAD CAMERAS, A T-11 AERIAL MAPPING CAMERA, AND A MULTICHANNEL OCEAN COLOR SENSOR IN COOPERATION WITH NASA'S LANGLEY RESEARCH CENTER. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY WATER POLLUTION AS RELATED TO EUTROPHICATION LEVELS IN THE JAMES RIVER FROM HOPEWELL TO THE HAMPTON ROADS/CRANEY ISLAND INDUSTRIAL WATERFRONT.
(MISSION W276, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
284 70MM PRINTS; 71 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077733 73077625 73076653 73076643

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	355	OBS			
TIME	EARTH	STATION TIME	YMD	355	OBS	5 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINT	284	OBS	5 FLIGHTS PER LINE	3000 AND 17,500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINT	71	OBS	5 FLIGHTS PER LINE	3000 AND 17,500 FEET	40MM FOCAL LENGTH

008679 BEACH DYNAMICS AND EROSION CONTROL, OCEAN VIEW SECTION, NORFOLK, VIRGINIA PAGE 01
DATA COLLECTED: AUGUST 1974 TO AUGUST 1975 RECEIVED: MARCH 07, 1977

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, NORFOLK

ABSTRACT:
CONDUCTED FROM AUGUST, 1974 TO AUGUST 1975, THESE DATA CONCERN THE BEACH DYNAMICS OF THE OCEAN VIEW SECTION OF NORFOLK, VIRGINIA. PARAMETER OBSERVED WERE THE BEACH PROFILE, WAVE CHARACTERISTICS, WIND AND CURRENT SPEEDS, SEDIMENT CHARACTERISTICS AND BATHYMETRIC PROFILES.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP; FIXED STATION

ARCHIVE MEDIA:
REPORTS
500 PUNCHED CARDS; 3X300 PAGE NOTEBOOKS

FUNDING:
CITY OF NORFOLK, VIRGINIA

INVENTORY:

PUBLICATIONS:
FLEISHER, P., AND G.T. MCKEE, 1976, BEACH DYNAMICS AND EROSION CONTROL, OCEAN VIEW SECTION, NORFOLK, VIRGINIA, INST. OCEANOGRAPHY TECH REPORT NO.30, OLD DOMINION UNIVERSITY, 73P.

CONTACT:
PETER FLEISCHER 804 489 6477
INSTITUTE OF OCEANOGRAPHY
OLD DOMINION UNIVERSITY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
73076641

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	116 STATIONS	111 STATIONS WERE OCCUPIED ONCE, 5 STATIONS WERE OCCUPIED WEEKLY		
TIME	EARTH	SAMPLING TIME	YMDHM	116 STATIONS			
ALTITUDE PROFILE	LAND	DIRECT	ONE HUNDREDTH FEET	116 STATIONS			
WAVE DIRECTION	WATER	VISUAL	DEGREES	116 STATIONS			COMPASS
WAVE AMPLITUDE	WATER	FIXED STAFF,	FEET	116 STATIONS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
WAVE PERIOD	WATER	VISUAL	SECONDS	116 STATIONS			STOPWATCH
PARTICULATE MATTER	WATER	MEMBRANE FILTRATION	GM/L	116 STATIONS			
WIND SPEED	AIR	ANEMOMETER	KNOTS	116 STATIONS			
CURRENT SPEED	WATER	IMPELLOR METER	FEET PER SECOND	116 STATIONS			
GRAVEL FRACTION	LAND	SIEVE	MM	116 STATIONS			
BATHYMETRY	WATER	CORRECTED SOUNDING DEPTH	FEET	116 STATIONS			

00887P

WINTER DROGUE STUDY, ATLANTIC GENERATING SITE, TECHNICAL REPORT NO. 2
DATA COLLECTED: DECEMBER 1972 TO JANUARY 1973

RECEIVED: MAY 13, 1977

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
FINDINGS OF A DROGUE STUDY CONDUCTED FROM DECEMBER 1972 THROUGH JANUARY 1973 OF SURFACE AND SUBSURFACE OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION ARE PRESENTED IN REPORT FORM.

DATA AVAILABILITY:
FEPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING.

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
25 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
MCCAREY, K., J.W. COOPER, AND R.G. ELDRIDGE, 1973. WINTER DROGUE STUDY, ATLANTIC GENERATING SITE. TECHNICAL REPORT NO. 2 FOR PUBLIC SERVICE ELECTRIC AND GAS COMPANY. EG AND G, ENVIRONMENTAL CONSULTANTS, 25 P.

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942148 7307942155 7307942156 7307942157 7307942158 7307942164 7307942165 7307942166 7307942167 7307942172 7307942173 7307942174 7307942175 7307942176 7307942177 7307942181 7307942182 7307942183 7307942184 7307942185 7307942192 7307942193 7307942194

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	GENERAL AREA	CHART LOCATION-DM	1	STATIONS			AREA AROUND ATLANTIC GENERATING STATION SITE
TIME	EARTH	STATION TIME	YMDH	58	OBS	3 STATION OBS/ DAY		
CURRENT RELEASE TIME	WATER	SAMPLING TIME	YMDH	121	OBS		SURFACE, 4, 6, AND 8 METERS	DROGUES SET AT 2 OR 3 DEPTHS/ STATION OBS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT RELEASE POSITION	WATER	RADAR	CHART LOCATION-DM	121	OBS			
CURRENT RECOVERY TIME	WATER	SAMPLING TIME	YMDH	121	OBS		SURFACE, 4, 6, AND 8 METERS	DROGUES SET AT 2 OR 3 DEPTHS/ STATION OBS
CURRENT RECOVERY POSITION	WATER	RADAR	CHART LOCATION-DM	121	OBS			

008879 CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS DURING MARCH, APRIL, AND MAY 1975 PAGE 01
DATA COLLECTED: MARCH 1975 TO MAY 1975 RECEIVED: MAY 13, 1977

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING MARCH, APRIL, AND MAY 1975. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5-5 AND 10-10.5 METERS AT TWO SITES CONTINUOUSLY MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS OVER THE THREE MONTH PERIOD.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; TIME-SERIES PLOTS OF CURRENT DATA, WIND DATA, TIDAL HEIGHT, AND BAROMETRIC PRESSURE INCLUDED IN REPORT.)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING.

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
52 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942185 7307943123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	2	STATIONS			MOORED CURRENT METER STATIONS
TIME	EARTH	STATION TIME	YMDH	8736	OBS	1 OBS/DEPTH/STATION/HOUR	4 AND 5 TENTHS THROUGH 5 AND 10 THROUGH 10 AND 5 TENTHS	FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
							METERS	
CURRENT SPEED	WATER	VARIOUS	CM/SEC	8736	OBS			CURRENTS OVER 3 MONTHS SAVONIUS ROTOR METER WITH TILT CORRECTION ; ELECTROMAGNETIC CURRENT METER
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	8736	OBS			

008880

CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS DURING DECEMBER 1974, JANUARY AND FEBRUARY 1975

DATA COLLECTED: DECEMBER 1974 TO FEBRUARY 1975

RECEIVED: MAY 13, 1977

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING DECEMBER 1974, JANUARY AND FEBRUARY 1975. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS OVER THE THREE MONTH PERIOD.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 01254; TIME-SERIES PLOTS OF CURRENT DATA, WIND DATA, TIDAL HEIGHT, AND BAROMETRIC PRESSURE INCLUDED IN REPORT.)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING.

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
69 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942156 7307942174 7307942175 7307942184 7307942185 7307942186 7307943123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	7	STATIONS			MOORED CURRENT METER STATIONS
TIME	EARTH	STATION TIME	YMDH	26784	OBS	1 OBS/DEPTH/STATION/HOUR	4 AND 5 TENTHS, AND 10 THROUGH 11 METERS	FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	VARIOUS	CM/SEC	26784	OBS			AVERAGED CURRENTS OVER 3 MONTHS SAVONIUS ROTOR METER WITH TILT CORRECTION ; ELECTROMAGNETIC CURRENT METER
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	26784	OBS			

00888

CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS DURING SEPTEMBER, OCTOBER, AND NOVEMBER 1974

DATA COLLECTED: SEPTEMBER 1974 TO NOVEMBER 1974

RECEIVED: MAY 13, 1977

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING SEPTEMBER, OCTOBER, AND NOVEMBER 1974. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS OVER THE THREE MONTH PERIOD.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; TIME-SERIES PLOTS OF CURRENT DATA, WIND DATA, TIDAL HEIGHT, AND BAROMETRIC PRESSURE INCLUDED IN REPORT.)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING.

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
62 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942156 7307942174 7307942175 7307942184 7307942185 7307942186 7307943123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	7	STATIONS			MOORED CURRENT METER STATIONS
TIME	EARTH	STATION TIME	YMDH	26208	OBS	1 OBS/DEPTH/STATION/HOUR	4 AND 5 TENTHS AND 10 THROUGH 11 METERS	FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	VARIOUS	CM/SEC	26208	OBS			AVERAGED CURRENTS OVER 3 MONTHS SAVONIUS ROTOR METER WITH TILT CORRECTION ; ELECTROMAGNETIC CURRENT METER
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	26208	OBS			

008882

CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS DURING JULY 1974
DATA COLLECTED: JULY 1974 TO JULY 1974

RECEIVED: MAY 13, 1977

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING JULY 1974. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS OVER THE MONTH.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; TIME-SERIES PLOTS OF CURRENT DATA, WIND DATA, TIDAL HEIGHT, AND BAROMETRIC PRESSURE INCLUDED IN REPORT)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
33 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942156 7307942174 7307942175 7307942184 7307942185 7307942186 7307943123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	7	STATIONS			MOORED CURRENT METER STATIONS
TIME	EARTH	STATION TIME	YMDH	8928	OBS	1 OBS/DEPTH/STATION/HOUR	4 AND 5 TENTHS AND 10 THROUGH 11 METERS	FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED

00888?

CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS DURING JULY 1974 (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	VARIOUS	CM/SEC	8928	OBS			CURRENTS OVER MONTH SAVONIUS ROTOR METER WITH TILT CORRECTION ; IMPELLOR METER
CURRENT DIRECTION	WATER	VARIOUS	DEGREES	8928	OBS			DIRECTION VANE, IMPELLOR METER

008883 CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS DURING MAY 1974 PAGE 01
DATA COLLECTED: MAY 1974 TO MAY 1974 RECEIVED: MAY 13, 1977

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING MAY 1974. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS OVER THE MONTH.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; TIME-SERIES PLOTS OF CURRENT DATA, WIND DATA, TIDAL HEIGHT, AND BAROMETRIC PRESSURE INCLUDED IN REPORT.)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
43 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942156 7307942174 7307942175 7307942184 7307942185 7307942186 7307943123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	7	STATIONS			MOORED CURRENT METER STATIONS
TIME	EARTH	STATION TIME	YMDH	8640	OBS	1 OBS/DEPTH/STATION/HOUR	4 AND 5 TENTHS AND 10 THROUGH 11 METERS	FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	VARIOUS	CENTIMETERS/ SECOND	8640	OBS			CURRENTS OVER MONTH SAVONIUS ROTOR METER WITH TILT CORRECTION ; IMPELLOR METER
CURRENT DIRECTION	WATER	VARIOUS	DEGREES	8640	OBS			DIRECTION VANE; IMPELLOR METER

00888

CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS DURING MARCH 1974
DATA COLLECTED: MARCH 1974 TO MARCH 1974

RECEIVED: MAY 13, 1977

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING MARCH 1974. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS OVER THE MONTH.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; TIME-SERIES PLOTS OF CURRENT DATA, WIND DATA, TIDAL HEIGHT, AND BAROMETRIC PRESSURE INCLUDED IN REPORT.)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTION OR PHOTOCOPYING

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
32 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942156 7307942174 7307942175 7307942184 7307942185 7307942186 7307943123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	7	STATIONS			MOORING CURRENT METER STATIONS
TIME	EARTH	STATION TIME	YMDH	8928	OBS	1 OBS/DEPTH/STATION/HOUR	4 AND 5 TENTHS AND 10 THROUGH 11 METERS	FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	VARIOUS	CM/SEC	8928	OBS			CURRENTS OVER MONTH SAVONIUS ROTOR METER WITH TILT CORRECTION ; IMPELLOR METER
CURRENT DIRECTION	WATER	VARIOUS	DEGREES	8928	OBS			DIRECTION VANE; IMPELLOR METER

008885 CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS FROM JANUARY THROUGH DECEMBER 1973

DATA COLLECTED: JANUARY 1973 TO DECEMBER 1973 RECEIVED: MAY 13, 1977

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING JANUARY THROUGH DECEMBER 1973. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS PER MONTH.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; TIME-SERIES PLOTS OF CURRENT DATA, WIND DATA, TIDAL HEIGHT, AND BAROMETRIC PRESSURE INCLUDED IN REPORT.)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING.

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
191 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942156 7307942174 7307942175 7307942184 7307942185 7307942186 7307943123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	7	STATIONS			MOORED CURRENT METER STATIONS
TIME	EARTH	STATION TIME	YMDH	111770	OBS	1 OBS/DEPTH/STATION/HOUR	4 AND 5 TENTHS AND 10 THROUGH 11 METERS	FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	VARIOUS	CM/SEC	111770 OBS			AVERAGED CURRENTS/MONTH SAVONIUS ROTOR METER WITH TILT CORRECTION ; IMPELLOR METER
CURRENT DIRECTION	WATER	VARIOUS	DEGREES	111770 OBS			DIRECTION VANE; IMPELLOR METER

DATA COLLECTED: APRIL 1972 TO DECEMBER 1972 RECEIVED: MAY 13, 1977

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED FROM APRIL THROUGH DECEMBER 1972. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS PER MONTH.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; TIME-SERIES PLOTS OF CURRENT DATA, WIND DATA, TIDAL HEIGHT, AND BAROMETRIC PRESSURE INCLUDED IN REPORT.)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
109 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942156 7307942174 7307942175 7307942184 7307942185 7307942186 7307943123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	7	STATIONS			MOORED CURRENT METER STATIONS
TIME	EARTH	STATION TIME	YMDH	59450	OBS	1 OBS/DEPTH/STATION/HOUR	4 AND 5 TENTHS AND 10 THROUGH 11 METERS	FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	VARIOUS	CM/SEC	59450	OBS			CURRENTS/MONTH SAVONIUS ROTOR METER WITH TILT CORRECTION : IMPELLOR METER
CURRENT DIRECTION	WATER	VARIOUS	DEGREES	59450	OBS			DIRECTION VANE; IMPELLOR METER

DATA COLLECTED: MARCH 1975 TO MAY 1975 RECEIVED: MAY 13, 1977

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF WAVE CHARACTERISTICS OF THE OCEAN OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING MARCH, APRIL, AND MAY, 1975. A WAVE RIDER WAVE MEASUREMENT SYSTEM DEPLOYED NEAR THE PROPOSED SITE RECORDED WAVES EVERY 6 HOURS. REPORTED PARAMETERS INCLUDED SIGNIFICANT WAVE HEIGHT, MAXIMUM WAVE HEIGHT, AND PEAK SPECTRAL PERIOD.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; GRAPHICAL DISPLAY OF SIGNIFICANT WAVE HEIGHT AND WIND SPEED AND DIRECTION, TIME SERIES PLOTS OF ENERGY DENSITY AND SPECTRA AND CO-CUMULATIVE WAVE ENERGY, AND JOINT HISTOGRAMS OF SIGNIFICANT WAVE HEIGHTS AND PEAK SPECTRAL PERIODS INCLUDED IN REPORT)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
222 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942185

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	1	STATIONS			
TIME	EARTH	STATION TIME	YMDH	312	OBS	1 OBS/6 HOURS		
WAVE AMPLITUDE	WATER	ACCELEROMETER	METERS	312	OBS			SIGNIFICANT WAVE HEIGHT, MAXIMUM WAVE OBSERVED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
WAVE PERIOD	WATER	ACCELEROMETER	SECONDS	312	OBS			PEAK SPECTRAL PERIOD
WAVE SPECTRAL DENSITY	WATER	APPROACH FROM ACCELEROMETER		312	OBS			

DATA COLLECTED: JUNE 1975 TO AUGUST 1975 RECEIVED: MAY 13, 1977

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF WAVE CHARACTERISTICS OF THE OCEAN OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING JUNE, JULY, AND AUGUST 1975. A WAVE RIDER WAVE MEASUREMENT SYSTEM DEPLOYED NEAR THE PROPOSED SITE RECORDED WAVES EVERY 6 HOURS. REPORTED PARAMETERS INCLUDED SIGNIFICANT WAVE HEIGHT, MAXIMUM WAVE HEIGHT, AND PEAK SPECTRAL PERIOD.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; GRAPHICAL DISPLAY OF SIGNIFICANT WAVE HEIGHT AND WIND SPEED AND DIRECTION, TIME SERIES PLOTS OF ENERGY DENSITY SPECTRA AND CO-CUMULATIVE WAVE ENERGY, AND JOINT HISTOGRAMS OF SIGNIFICANT WAVE HEIGHTS AND PEAK SPECTRAL PERIODS INCLUDED IN REPORT)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
209 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942185

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-CM	1	STATIONS			
TIME	EARTH	STATION TIME	YMDH	264	OBS	1 OBS/6 HOURS		
WAVE AMPLITUDE	WATER	ACCELEROMETER	METERS	264	OBS			SIGNIFICANT WAVE HEIGHT, MAXIMUM WAVE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
WAVE PERIOD	WATER	ACCELEROMETER	SECONDS	264	OBS			OBSERVED PEAK SPECTRAL PERIOD
WAVE SPECTRAL DENSITY	WATER	APPROACH FROM ACCELEROMETER		264	OBS			

008891 WAVE OBSERVATIONS IN NEW JERSEY COASTAL WATERS DURING SEPTEMBER, OCTOBER, AND NOVEMBER 1975 PAGE 01

DATA COLLECTED: SEPTEMBER 1975 TO NOVEMBER 1975 RECEIVED: MAY 13, 1977

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF WAVE CHARACTERISTICS OF THE OCEAN OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING SEPTEMBER, OCTOBER, AND NOVEMBER 1975. A WAVE RIDER WAVE MEASUREMENT SYSTEM DEPLOYED NEAR THE PROPOSED SITE RECORDED WAVES EVERY 6 HOURS. REPORTED PARAMETERS INCLUDED SIGNIFICANT WAVE HEIGHT, MAXIMUM WAVE HEIGHT, AND PEAK SPECTRAL PERIOD.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; GRAPHICAL DISPLAY OF SIGNIFICANT WAVE HEIGHT AND WIND SPEED AND DIRECTION, TIME SERIES PLOTS OF ENERGY DENSITY SPECTRA AND CO-CUMULATIVE WAVE ENERGY, AND JOINT HISTOGRAMS OF SIGNIFICANT WAVE HEIGHTS AND PEAK SPECTRAL PERIODS INCLUDED IN REPORT)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
206 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942185

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	1	STATIONS			
TIME	EARTH	STATION TIME	YMDH	264	OBS	1 OBS/6 HOURS		
WAVE AMPLITUDE	WATER	ACCELEROMETER	METERS	264	OBS			SIGNIFICANT WAVE HEIGHT, MAXIMUM WAVE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
WAVE PERIOD	WATER	ACCELEROMETER	SECONDS	264	OBS			OBSERVED PEAK SPECTRAL PERIOD
WAVE SPECTRAL DENSITY	WATER	APPROACH FROM ACCELEROMETER		264	OBS			

DATA COLLECTED: 1851 TO 1949

PROJECTS:
SHORELINE EROSION MEASUREMENTS

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., MARYLAND, CHESAPEAKE BAY, EASTERN SHORE

ABSTRACT:
MAP SURVEY WAS CONDUCTED TO DETERMINE CHANGES IN MARYLAND'S SHORELINE. EROSION AND DEPOSITION MEASURED ALONG 2,000 MILES OF COASTLINE. MAPS WHICH DATE ALMOST 100 YEARS PREVIOUS TO THIS STUDY WERE SUPPLIED BY THE U.S. COAST AND GEODETIC SURVEY. GROUND PHOTOS AND MAPS ARE INCLUDED IN THE REPORT.

DATA AVAILABILITY:

PLATFORM TYPES:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DIRECTOR, MARYLAND GEOLOGICAL SURVEY 301-235- 0771
MARYLAND DEPARTMENT OF NATURAL RESOURCES
MERRYMAN HALL, THE JOHNS HOPKINS UNIVERSITY
BALTIMORE, MARYLAND, USA 21218

GRID LOCATOR:
COMPLETE FILE SUBMITTED TO EDS IN OCTOBER 1978.

DATA COLLECTED: 1972 TO PRESENT

PROJECTS:
REMOTE SENSING OF VIRGINIA'S SHORELINE

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., VIRGINIA, CHESAPEAKE BAY, EASTERN SHORE

ABSTRACT:
MISSIONS ARE FLOWN BY VIRGINIA INSTITUTE OF MARINE SCIENCE PERSONNEL USING LOW ALTITUDE, OBLIQUE ANGLE PHOTOGRAPHY. OVER 14,000 COLOR SLIDES SERVE AS A DATA SOURCE FOR SHORELINE SITUATION REPORTS. THE AREA COVERED INCLUDES ALL OF VIRGINIA'S SHORELINE, BOTH OCEANSIDE AND CHESAPEAKE BAY. EACH AREA IS PHOTOGRAPHED ONLY ONCE.

DATA AVAILABILITY:

PLATFORM TYPES:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. ROBERT BYRNE 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT, VIRGINIA, USA 23062

GRID LOCATOR:
COMPLETE FILE SUBMITTED TO EDS IN JULY 1978

ANNEX II

Data Files

Part B

Data File Index - Listed by Key Word

Shoreline Erosion

This index contains an alphabetical listing by key word of the data files in this annex including the two recently identified files. After some key words is a number or series of numbers which reference the page numbers of the particular file(s) within this report. Most of the files are referenced by more than one key word. Underlined numbers indicate files generated after January 1, 1973.

The key words which do not reference any relevant files are included to indicate the extent of the file search.

Annex II

Part B
Data File Index-Listed by Key Word

Shoreline Erosion

accretion
use deposition rate

age dating (land)
none

age dating (sediment)
214, 218

age determination
use age dating

altitude (land)
59, 149, 214, 218

altitude profile (land)
167, 200, 263

area (land)
none

bathymetry (water)
45, 47, 50, 53, 55, 132, 155, 207, 263

beach elevation
use altitude (land)

beach erosion
use altitude (land), deposition (land), deposition rate (land)

beach profile
use altitude profile

beach slope
use slope (land)

beach type (land)
none

beach width (land)
65

bench mark
use altitude (land)

bottom photograph
use photograph (bottom)

bottom slope
use slope (bottom)

bottom topography
use bathymetry

bottom type (bottom)
125, 126, 178, 182

breaker
use surf

breaker classification (water)
165, 169

breaker depth (water)
none

chart
use bathymetry

clay fraction (sediment)
182, 186

community structure analysis (land)
22

current, direction (water)
38, 51, 55, 57, 59, 60, 62, 65, 112, 117, 119, 121, 123, 132, 159, 173, 177, 178, 187, 189, 191, 200, 205, 267, 269, 271, 273, 275, 277, 279, 281

current recovery position (water)
187, 205, 265

current recovery time (water)
205, 265

current release position (water)
205, 265

current release time (water)
265

current speed (water)
32, 38, 51, 55, 57, 59, 60, 62, 65, 112, 117, 119, 121, 123, 132, 173, 178, 189, 191, 198, 200, 263, 267, 269, 271, 273, 275, 277, 279, 281

current speed, east component (water)
none

current speed, north component (water)
none

current transport
use water transport

current velocity
use current direction, current speed, water transport

deposition (land)
200, 289

deposition (sediment)
108, 210

deposition rate (land)
209, 249, 289

deposition rate (sediment)
none

depth (sediment)
214

depth factor
use wave height coefficient

Douglas swell code
use swell height

drift current measurements
use current

drogue
use current

eddy diffusion (water)
none

erosion of sediment
use depositon rate

flow
use current, water transport

grain texture (sediment)
none

gravel fraction (sediment)
200

group speed
use wave group speed

height
use altitude

hydrography
use bathymetry

integrated transport profile (water)
none

internal wave amplitude (water)
none

internal wave direction (water)
none

internal wave frequency
use internal wave period

internal wave period (water)
none

internal wave speed (water)
none

land use (land)
39, 41, 251

longshore current
use current speed

map
use topography (land)

mud fraction (sediment)
none

particle size of sediment
use size analysis (sediment)

particulate inorganic matter flux (water)
36

particulate matter flux (water)
none

phase velocity
use wave speed

photograph (bottom)
135

photograph (earth) (aerial)
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 21, 24, 25, 26, 27, 28, 29, 30, 31, 66, 67, 68, 69, 70, 71, 72, 73, 75, 77, 78, 79, 82, 83, 84, 85, 86, 87, 88,89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 134, 137, 157, 180, 197, 209, 211, 212, 213, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 239, 240, 241, 242, 243, 244, 246, 247, 248, 259, 260, 261, 262, 290

river stage (water)
none

roundness
use sphericity (sediment)

sand fraction (sediment)
182, 184, 196, 200

sea
use sea direction, sea height, sea period, sea state

sea direction (water)
none

sea height (water)
none

sea level
use water level

sea period (water)
none

sea state (water)
none

sedimentation rate
use deposition rate

sediment grain size analysis
use size analysis (sediment)

sediment structure (sediment)
135, 203, 214, 216, 218

sediment transport direction (sediment)
none

sediment transport speed (sediment)
none

sediment type
use size analysis (sediment)

seiche
use seiche amplitude, seiche direction, seiche length, seiche period

seiche amplitude (water)
none

seiche direction (water)
none

seiche length (water)
none

seiche period (water)
none

seismic reflection profile (bottom)
203

shape (land)
none

shape (sediment)
none

shell fraction (sediment)
none

shoaling coefficient
use wave height coefficient

shoaling factor
use wave height coefficient

shore line length (land)
39, 41, 289

shore line profile
use topography (land)

sieve analysis
use size analysis (sediment)

silt fraction (sediment)
182, 200

size analysis (sediment)
19, 34, 45, 47, 53, 64, 65, 80, 110, 125, 138, 161, 175, 182, 185, 191, 193, 195, 200, 203, 220

slope (bottom)
none

slope (land)
none

soil
use parameters with sphere of land

soil structure (land)
249

sphericity (sediment)
none

stratigraphy
use age dating (sediment)

surf direction (water)
165

surf height (water)
165

surf period (water)
165

surge
use swell, water level

swell direction (water)
none

swell height (water)
none

swell period (water)
none

texture
use grain texture, size analysis

tidal current direction (water)
48, 127, 140, 144, 145, 147, 254

tidal current speed (water)
48, 140, 144, 145, 147, 207

tidal current velocity
use tidal current direction, tidal current speed

tidal height
use water level

tidal period (water)
127

tidal phase (water)
254

tidal wave
use tsunami

tidal zone area (land)
39, 41

topography (bottom)
use bathymetry

topography (land)
none

transverse current
use current speed

tsunami height (water)
none

water depth
use bathymetry

water level (water)
112, 142, 151, 153, 154, 172, 178, 207, 258

water stage
use water level

water transport (water)
43, 251

wave
use breaker, internal wave, sea, seiche, surf, swell, tsunami

wave age (water)
none

wave amplitude (water)
48, 59, 65, 132, 162, 163, 169, 170, 200, 240, 241, 263, 283, 285, 287

wave direction (water)
59, 65, 132, 169, 200, 240, 241, 263

wave displacement (water)
none

wave force (water)
none

wave frequency
use wave period

wave group speed (water)
none

wave height
use wave amplitude

wave height coefficient (water)
none

wave length (water)
none

wave number
use wave length

wave period (water)
65, 169, 170, 200, 240, 241, 263, 283, 285, 287

wave phase velocity
use wave speed

wave refraction (water)
none

wave spectral density (water)
283, 285, 287

wave speed (water)
132, 240, 241

wave velocity
use wave speed

ANNEX III

Monitoring Programs

Shoreline Erosion

The monitoring programs identified for this report form three categories, as follows:

Continuous monitoring programs presently active in the Chesapeake Bay - 25 files.

Continuous monitoring programs initiated after January 1967 that have operated five (5) years or longer, but are presently not operational - 0 files.

Continuous monitoring programs initiated prior to January 1967 that have operated ten (10) years or longer and are presently not operational - 6 files.

The programs are arranged by date of initiation, earliest first.

304<

DATA COLLECTED: 1831 TO PRESENT

MONITORING PROJECTS:
SUBORDINATE TIDAL STATION SUMMARY FILE

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, COASTAL, U.S.

ABSTRACT:
OBSERVATIONS AT SUBORDINATE (SECONDARY) TIDAL STATIONS ARE SUMMARIZED IN THIS FILE. THE INFORMATION COMES FROM A SHORT SERIES OF OBSERVATIONS MADE AT THE SUBORDINATE STATIONS. THE DATA IS THEN REDUCED BY COMPARISON WITH SIMULTANEOUS OBSERVATIONS AT ANOTHER STATION HAVING WELL DETERMINED TIDAL CONSTANTS. PARAMETERS INCLUDED ARE: 1-DATES OF OBSERVATIONS, 2-MEAN TIDE LEVEL, 3-MEAN LOW WATER (ATLANTIC COAST) OR MEAN LOWER LOW WATER (PACIFIC COAST), 4-BENCH MARK, 5-TIDAL RANGE.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, TIDES BRANCH 301-496-8468
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND, USA 20652

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 142.

DATA COLLECTED: 1834 TO PRESENT

MONITORING PROJECTS:
HYDROGRAPHIC SURVEYS

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, SOUTH PACIFIC OCEAN, U.S., COASTAL

ABSTRACT:
DATA BASE CONSISTS OF OVER 23,000 INDIVIDUAL HYDROGRAPHIC SURVEYS SINCE 1834. THESE SURVEYS ARE RECORDED ON BOAT SHEETS ON THE VESSEL AS THE SURVEY IS TAKEN, THEN SENT TO THE HYDROGRAPHIC DATA SECTION FOR PROCESSING. SURVEYS COVER ALL COASTAL U.S. AND POSSESSIONS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, HYDROGRAPHIC DATA SECTION, CODE 3233 301-443-8408
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND, USA 20852

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 155.

DATA COLLECTED: 1851 TO 1949

MONITORING PROJECTS:
SHORELINE EROSION MEASUREMENTS

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., MARYLAND, CHESAPEAKE BAY, EASTERN SHORE

ABSTRACT:
MAP SURVEY WAS CONDUCTED TO DETERMINE CHANGES IN MARYLAND'S SHORELINE. EROSION AND DEPOSITION MEASURED ALONG 2,000 MILES OF COASTLINE. MAPS WHICH DATE ALMOST 100 YEARS PREVIOUS TO THIS STUDY WERE SUPPLIED BY THE U.S. COAST AND GEODETIC SURVEY. GROUND PHOTOS AND MAPS ARE INCLUDED IN THE REPORT.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DIRECTOR, MARYLAND GEOLOGICAL SURVEY 301-235-0771
THE JOHNS HOPKINS UNIVERSITY
BALTIMORE, MARYLAND, USA 21218

307

GRID LOCATOR:
COMPLETE FILE SUBMITTED TO EDS IN OCTOBER 1978.

DATA COLLECTED: 1854 TO PRESENT

MONITORING PROJECTS:
TIDE FILE FROM CONTROL STATIONS - MONTHLY SUMMARIES

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, COASTAL, U.S.

ABSTRACT:
THIS FILE CONTAINS TIDE HEIGHTS, TIMES OF HIGH AND LOW WATER FOR THOSE TIDE STATIONS WHICH ARE NOT AUTOMATED. DATA SHEETS CONTAIN INFORMATION ON TIDAL HEIGHT, PERIOD, ETC. DATA IS AVAILABLE AS COPY OF DATA SHEETS, ONE SHEET FOR EACH MONTH. DATA IS KEPT ON STATION FOR A 10 YEAR PERIOD AFTER WHICH IT IS FORWARDED TO THE ARCHIVES. DATA IS MAINTAINED IN TWO YEARLY UNITS OF MONTHLY SUMMARIES.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, TIDES BRANCH 301-496-8468
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND, USA 20852

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 154.

DATA COLLECTED: OCTOBER 1898 TO OCTOBER 1973

MONITORING PROJECTS:
NORTH CAROLINA STORM-INDUCED BEACH EROSION

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NORTH CAROLINA

ABSTRACT:
A STUDY WAS CONDUCTED OVER A PERIOD OF 75 YEARS TO DETERMINE THE EFFECTS OF STORM-INDUCED BEACH EROSION FOR NORTH CAROLINA. UTILIZING PIER SOUNDING AND PREVIOUS DATA, EROSION AND SEDIMENT MOVEMENT WAS DETERMINED. THE HEIGHT, WIDTH AND SHAPE OF DUNES AT EACH PIER LOCATION WERE RECORDED. STORM SURGE LEVELS AS A FUNCTION OF STORM RETURN FREQUENCY WERE OBTAINED FOR 5 AREAS OF NORTH CAROLINA.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
C. E. KNOWLES 919-737-3326
THE CENTER FOR MARINE AND COASTAL STUDIES
NORTH CAROLINA STATE UNIVERSITY
RALEIGH, NORTH CAROLINA, USA 27607

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 210.

DATA COLLECTED: 1900 TO PRESENT

MONITORING PROJECTS:
YEARLY SUMMARIES OF CONTROL TIDAL STATIONS

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, COASTAL, U.S.

ABSTRACT:
SUMMARIES OF DATA TAKEN AT CONTROL TIDE STATIONS ARE INCLUDED IN THIS FILE. PARAMETERS DESCRIBED ARE MONTHLY MEANS AND EXTREMES, HIGHEST TIDES, LOWEST TIDES, HIGH WATER INTERVAL (GREENWICH), LOW WATER INTERVAL (GREENWICH), HIGH WATER, LOW WATER, RANGE, TIDE LEVEL, SEA LEVEL, DIFFERENCE BETWEEN TIDE LEVEL AND SEA LEVEL, AND HIGHEST DAILY SEA LEVEL. THE DATA IS PRESENTED IN TABULAR FORM WITH EACH PAGE CONTAINING ONE PARAMETER MEASURED OVER A NUMBER OF YEARS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, TIDES BRANCH 301-496-8468
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND, USA 20852

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 151.

DATA COLLECTED: AUGUST 1917 TO AUGUST 1965

MONITORING PROJECTS:

TIDAL CURRENTS, CHESAPEAKE BAY

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, VIRGINIA

ABSTRACT:

VARIOUS CURRENT SURVEYS OF THE CHESAPEAKE BAY AND MAJOR TRIBUTARIES WERE CONDUCTED IN THE YEARS 1917 TO 1965. MOST STATIONS WERE OCCUPIED FOR AN AVERAGE OF 4 DAYS WITH HALF HOURLY SAMPLES. SAMPLING DEVICES USED INCLUDE CURRENT POLES, PRICE CURRENT METERS, EKMAN CURRENT METERS, ROBERTS RADIO CURRENT METERS AND VON ARX CURRENT METERS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

CHIEF, OCEANOGRAPHIC SURVEY BRANCH 301-443-8501
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND, USA 20852

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 145.

DATA COLLECTED: AUGUST 1924 AND NOVEMBER 1959

MONITORING PROJECTS:
TIDAL CURRENTS, DELAWARE BAY AND RIVER

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., DELAWARE, DELAWARE BAY, DELAWARE RIVER

ABSTRACT:
A SERIES OF 5 SURVEYS OF THE DELAWARE BAY AND RIVER WERE MADE IN 1924 (42 STATIONS), 1929 (INDIAN RIVER INLET), 1947 (62 STATIONS), 1953 (26 STATIONS) AND 1959 (2 STATIONS AT BAY ENTRANCE AND 2 AT RIVER ENTRANCE).

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, OCEANOGRAPHIC SURVEY BRANCH 301-443-8501
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND, USA 20852

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 147.

312

DATA COLLECTED: 1927 TO PRESENT

MONITORING PROJECTS:
AERIAL PHOTOGRAPHS

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, COASTAL, U.S.

ABSTRACT:
THIS FILE CONTAINS AERIAL PHOTOGRAPHS USED BY THE NATIONAL OCEAN SURVEY IN CONNECTION WITH NAUTICAL AND AERONAUTICAL CHARTING PROGRAMS. PHOTOGRAPHS ARE AVAILABLE FOR MOST OF THE COASTAL AREAS OF THE UNITED STATES. AERIAL PHOTOGRAPHS ARE AVAILABLE AS CONTACT PRINTS, ENLARGEMENTS, FILM POSITIVES, NEGATIVES; SOME COLOR PHOTOGRAPHY IS AVAILABLE FOR SOME REGIONS. SINGLE-LENS PHOTOGRAPHS ARE USUALLY TAKEN AT 1:10,000, 1:20,000, 1:30,000 OR 1:40,000 SCALE. THE SCALES ARE APPROXIMATE DUE TO SHRINKAGE OR EXPANSION OF PAPER, UNCERTAINTY IN REPORTED FLIGHT ALTITUDE, TIP AND TILT OF THE AIRCRAFT AND THE EFFECT OF GROUND RELIEF.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, PHOTOMAP AND IMAGERY INFORMATION SECTION 301-496-8601
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND, USA 20852

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 157.

DATA COLLECTED: 1929 TO PRESENT

314<

MONITORING PROJECTS:
TIDAL BENCH MARK DATA FILE

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, COASTAL, U.S.

ABSTRACT:
THIS FILE CONTAINS TIDAL BENCH MARK INFORMATION FOR THE COASTAL UNITED STATES. THE FILE HAS BENCH MARKS FOR OVER 2000 LOCATIONS. EACH LOCATION IS ON ONE PAGE OF A VOLUME. THERE ARE 33 VOLUMES COVERING THE COAST. EACH DATA SHEET CONTAINS GENERAL GEOGRAPHICAL AREA OF THE STATIONS. THE EXACT POSITION AND ELEVATION OF EACH INDIVIDUAL BENCH MARK IS GIVEN. THE DATE OF THE SURVEY IS ALSO GIVEN. DATA CAN BE GIVEN OUT AS A COPY OF THE DATA SHEETS. A MAP IS ALSO AVAILABLE FOR EACH STATE GIVING BENCH MARK LOCATIONS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, TIDES BRANCH 301-496-8468
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND, USA 20852

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 149.

DATA COLLECTED: MAY 1934 TO APRIL 1966

MONITORING PROJECTS:
TIDAL CURRENTS, VIRGINIA

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, JAMES, YORK AND RAPPAHANNOCK RIVERS

ABSTRACT:
SIX SURVEYS OF THE VIRGINIA COAST AND THE JAMES, YORK AND RAPPAHANNOCK RIVERS. OBSERVATIONS WERE OBTAINED BY THE USE OF CURRENT POLES AND ROBERTS RADIO CURRENT METERS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, OCEANOGRAPHIC SURVEY BRANCH 301-443-8501
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND, USA 20852

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 144.

DATA COLLECTED: 1938 TO 1971

MONITORING PROJECTS:
NORTH CAROLINA BEACH EROSION

316

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NORTH CAROLINA

ABSTRACT:
A SURVEY OF BEACH EROSION OF NORTH CAROLINA WAS CONDUCTED FROM 1938 TO 1971. UTILIZING BLACK AND WHITE CAMERA'S FROM AIRPLANES, THE RATE OF EROSION WAS DETERMINED BY THE RELATIONSHIP OF THE BEACH TO FIXED REFERENCE POINTS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
H. E. WAHLS 919-737-3326
THE CENTER FOR MARINE AND COASTAL STUDIES
NORTH CAROLINA STATE UNIVERSITY
RALEIGH, NORTH CAROLINA. USA 27607

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 209.

DATA COLLECTED: JANUARY 1942 TO PRESENT

MONITORING PROJECTS:
VIMS HYDROGRAPHIC BASE

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, MARYLAND

ABSTRACT:
ALL OCEANOGRAPHIC DATA GENERATED AT VIMS AND RECORDED ON VIMS OCEANOGRAPHY FORM 1 IS STORED IN THIS DATA BASE. UNTIL 1971 THE DATA BASE INCLUDED ONLY PHYSICAL MEASUREMENTS BUT AFTER THAT DATE PROVISION WAS MADE FOR RECORDING CHEMICAL DATA AS WELL. THE DATA IS STORED ON MAGNETIC DISC BUT IS RETRIEVED IN PRINTOUT FORM. EACH DATA POINT IS RECORDED WITH DAY, MONTH, YEAR, TIME, LATITUDE, LONGITUDE, RIVER CODE, DEPTH OF SAMPLE. DATA IS RETRIEVABLE BY STATION NUMBER, RIVER, YEAR, MONTH, DAY, PARAMETER RANGE OF YEARS, RANGE OF MONTHS, RANGE OF DAYS, CRUISE, VESSEL, TIDAL CURRENT STAGE, AREA DEFINED BY LAT AND LONG.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN PLEASANTS 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT, VIRGINIA, USA 23062

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 173.

DATA COLLECTED: SEPTEMBER 1954 TO PRESENT

MONITORING PROJECTS:
COOPERATIVE SURF OBSERVATION FILE

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, COASTAL, U.S.

ABSTRACT:
THIS FILE CONTAINS VISUAL OBSERVATIONS OF OCEAN WAVE HEIGHT, PERIOD, DIRECTION AND BREAKER TYPE FOR BREAKING WAVES IN THE SURF ZONE. OBSERVATIONS ARE GENERALLY MADE 6 TIMES DAILY AT 4 HOUR INTERVALS. OBJECTIVES OF THE PROGRAM ARE TO PROVIDE SCIENTISTS AND ENGINEERS WITH A KNOWLEDGE OF SURF ZONE WAVE CLIMATOLOGY FOR USE IN RESEARCH AND IN DESIGN OF COASTAL STRUCTURES. RECORDS FOR EACH STATION ARE NOT CONTINUOUS, GAPS EXIST IN DATA COLLECTING. APPLICATION PROGRAMS HAVE BEEN WRITTEN BY THE CERC ADP STAFF TO PERFORM MANY FUNCTIONS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. D. L. HARRIS 202-325-7598
OCEANOGRAPHY BRANCH, COASTAL ENGINEERING RESEARCH CENTER
DEPARTMENT OF THE ARMY
KINGMAN BUILDING
FORT BELVOIR, VIRGINIA, USA 22060

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 165.

DATA COLLECTED: JULY 1958 TO PRESENT

MONITORING PROJECTS:

VEGETATION MAPPING SURVEY OF STATE OWNED WATERFOWL AREAS

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., MARYLAND

ABSTRACT:

STATE OWNED WATERFOWL AREAS HAVE BEEN MAPPED FOR VEGETATIVE TYPES BY AERIAL PHOTOGRAPHY. BEFORE AND AFTER ANY MANAGEMENT PROJECTS THE AREAS IN QUESTION ARE AGAIN MAPPED AND THE VEGETATIVE COMMUNITY DESCRIBED.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

VERNON STOTTS 301-267-5195
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 22.

DATA COLLECTED: 1962 TO PRESENT

MONITORING PROJECTS:
BEACH EVALUATION PROJECT - PIPE PROFILE DATA

320

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, COASTAL. U.S.

ABSTRACT:
THE FILE CONTAINS BEACH PROFILE DATA FOR SEVERAL BEACHES ALONG THE ATLANTIC COAST AND ON ONE PACIFIC COAST STATION. THE PURPOSE OF THE BEACH EVALUATION PROGRAM IS TO OBSERVE THE RESPONSE OF BEACHES TO WAVES AND TIDES OF SPECIFIC INTENSITY AND DURATION AS FIRST STEP IN DEVELOPING A STORM WARNING SYSTEM FOR LOW-LYING COASTAL COMMUNITIES. THIS PROGRAM PROVIDES THE MOST COMPLETE LONG-TERM STUDY OF BEACHES IN ANY LARGE SECTION OF THE U.S. COAST, AND THUS THE DATA OBTAINED HAVE USEFUL ENGINEERING APPLICATIONS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
MR. ALLAN DE WALL 202-325-7378
DEPARTMENT OF THE ARMY, COASTAL ENGINEERING RESEARCH CENTER
KINGMAN BUILDING
FORT BELVOIR, VIRGINIA. USA 22060

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 167.

DATA COLLECTED: 1962 TO PRESENT

MONITORING PROJECTS:
BEACH EVALUATION PROGRAM - VISUAL WAVE OBSERVATION DATA

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., MASSACHUSETTS, RHODE ISLAND, NEW YORK, NEW JERSEY, VIRGINIA, NORTH CAROLINA

ABSTRACT:
USUAL WAVE OBSERVATION DATA INCLUDES INFORMATION ON WAVE HEIGHTS, PERIODS, DIRECTIONS AND BREAKER TYPES. DATA IS PRIMARILY RECEIVED FROM CORPS COASTAL DISTRICTS AND DIVISIONS IN THE FORM OF OPTICAL MARK PAGE SCANNING FORMS AND/OR FIELD SURVEY CHARTS. THE DATA IS THEN PUNCHED ON CARDS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
C. J. GALVIN 202-325-7378
COASTAL ENGINEERING RESEARCH CENTER
DEPARTMENT OF THE ARMY
KINGMAN BUILDING
FORT BELVOIR, VIRGINIA, USA 22060

321

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 169.

DATA COLLECTED: DECEMBER 1963 TO PRESENT

322<

MONITORING PROJECTS:
A.D.R. TIDE FILE - MONTHLY SUMMARIES

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, COASTAL, U.S.

ABSTRACT:
FILE CONTAINS MONTHLY SUMMARIES OF TIMES OF HIGH AND LOW WATER AT CONTROL TIDAL STATIONS AROUND THE COASTAL UNITED STATES, ATLANTIC AND PACIFIC ISLANDS. FILE IS MAINTAINED FOR A TWO YEAR PERIOD AFTER WHICH THEY ARE FILED. AFTER ABOUT 10 YEARS DATA IS SENT TO THE NATIONAL ARCHIVES FOR PERMANENT STORAGE.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, TIDES BRANCH 301-496-8468
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND, USA 20852

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 153.

DATA COLLECTED: MAY 1966 TO PRESENT

MONITORING PROJECTS:
OCEAN WAVE DATA

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, COASTAL, U.S., NEW JERSEY, VIRGINIA, NORTH CAROLINA, GEORGIA, FLORIDA, CALIFORNIA

ABSTRACT:
FILE CONTAINS RECORDS OF WAVE HEIGHTS FROM 12 LOCATIONS IN 6 STATES. DATA IS RECEIVED FROM AUTOMATED WAVE GAUGES AND IS BASIC WAVE DATA FOR ESTABLISHING WAVE CLIMATOLOGY AND FOR SPECIAL RESEARCH PROJECTS. APPLICATION PROGRAMS HAVE BEEN WRITTEN BY CERC ADP STAFF FOR MANY FUNCTIONS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. D. L. HARRIS 202-325-7397
OCEANOGRAPHY BRANCH, COASTAL ENGINEERING RESEARCH CENTER
DEPARTMENT OF THE ARMY
KINGMAN BUILDING
FORT BELVOIR, VIRGINIA, USA 22060

323

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 163.

DATA COLLECTED: 1968 TO PRESENT

MONITORING PROJECTS:
OCEAN WAVE CLIMATOLOGY - SIGNIFICANT WAVE HEIGHTS AND PERIODS

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, COASTAL, U.S.

ABSTRACT:
SIGNIFICANT WAVE HEIGHT AND PERIOD DATA FROM PEN AND INK RECORDS HAVE BEEN DIGITIZED ON PUNCHED CARDS. THE DATA COVERS OBSERVATIONS FROM 43 STATIONS, SAMPLED DAILY.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
MR. E. THOMPSON 202-325-7399
OCEANOGRAPHY BRANCH, COASTAL ENGINEERING RESEARCH CENTER
DEPARTMENT OF THE ARMY
KINGMAN BUILDING
FORT BELVOIR, VIRGINIA, USA 22062

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 170.

DATA COLLECTED: SEPTEMBER 1968 TO PRESENT

MONITORING PROJECTS:
ECHO SOUNDING RECORDS AT THE MOUTH OF CHESAPEAKE BAY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
ECHO SOUNDING SURVEY TO MEASURE MIGRATION RATES OF SAND WAVES ON THE OCEAN FLOOR AT THE ENTRANCE TO CHESAPEAKE BAY.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN LUDWICK 804-489-6000
INSTITUTE OF OCEANOGRAPHY
OLD DOMINION UNIVERSITY
NORFOLK, VIRGINIA, JSA 23508

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 50.

DATA COLLECTED: JANUARY 1969 TO PRESENT

MONITORING PROJECTS:
BOTTOM SEDIMENT SAMPLES FROM LOWER CHESAPEAKE BAY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
THREE ABIOTIC PARAMETERS ARE MEASURED IN BOTTOM SEDIMENT SAMPLES FROM LOWER CHESAPEAKE BAY.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN LUDWICK 804-489-6000
INSTITUTE OF OCEANOGRAPHY
OLD DOMINION UNIVERSITY
NORFOLK, VIRGINIA, USA 23508

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 47.

DATA COLLECTED: JUNE 1971 TO PRESENT

MONITORING PROJECTS:
ECOLOGICAL EFFECTS OF NUCLEAR STEAM

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, CALVERT CLIFFS

ABSTRACT:
REPLICATE BENTHOS AND SEDIMENT SAMPLES ARE OBTAINED AT QUARTERLY INTERVALS IN THE VICINITY OF THE CALVERT CLIFFS NUCLEAR S.E.S. SITE ON THE WESTERN SHORE OF THE CHESAPEAKE BAY. DATA WILL BE USED FOR PRE- AND POST-OPERATIVE ASSESSMENT OF POWER PLANT'S ENVIRONMENTAL INFLUENCE.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JOSEPH A. MIHURSKY 301-535-2121
NATURAL RESOURCES INSTITUTE
HALLOWING POINT FIELD STATION, ROUTE 1
PRINCE FREDERICK, MARYLAND, USA 20678

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 34.

328<

DATA COLLECTED: OCTOBER 1971 TO PRESENT

MONITORING PROJECTS:
TIDAL CURRENTS AT MOUTH OF CHESAPEAKE BAY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., VIRGINIA, MOUTH OF CHESAPEAKE BAY

ABSTRACT:
TIDAL CURRENT SPEED AND DIRECTION AT THE ENTRANCE TO CHESAPEAKE BAY OBTAINED OVER 30 HOUR PERIODS. DATA REDUCED TO OBTAIN DEPTH PROFILES OF CURRENT PARAMETERS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN LUDWICK 804-489-6000
INSTITUTE OF OCEANOGRAPHY
OLD DOMINION UNIVERSITY
NORFOLK, VIRGINIA, USA 23508

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 48.

DATA COLLECTED: 1972 TO PRESENT

MONITORING PROJECTS:

SEDIMENT ANALYSIS STATISTICS FILE

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, COASTAL, U.S.

ABSTRACT:

DATA IS TAKEN BY FIELD SURVEYS BY C.E.R.C. FIELD PARTIES, DISTRICT SURVEY PARTIES, OR UNDER CONTRACT BY COMMERCIAL FIRMS. THE SAND SAMPLES ANALYZED ARE GRAB SAMPLES TAKEN FROM BEACHES OR BOTTOM SURFACES, SUSPENDED SAMPLES TAKEN FROM WATER, OR CORE SAMPLES OBTAINED FROM OFFSHORE OR ONSHORE LOCATIONS. SIZE ANALYSIS ARE MADE BY MECHANICAL MEASUREMENT OF FALL VELOCITY.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

GEOLOGY BRANCH 202-325-7049
DEPARTMENT OF THE ARMY, COASTAL ENGINEERING RESEARCH CENTER
KINGMAN BUILDING
FORT BELVOIR, VIRGINIA, USA 22060

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 161.

DATA COLLECTED: 1972 TO PRESENT

330<

MONITORING PROJECTS:

REMOTE SENSING OF VIRGINIA'S SHORELINE

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., VIRGINIA, CHESAPEAKE BAY, EASTERN SHORE

ABSTRACT:

MISSIONS ARE FLOWN BY VIRGINIA INSTITUTE OF MARINE SCIENCE PERSONNEL USING LOW ALTITUDE, OBLIQUE ANGLE PHOTOGRAPHY. OVER 14,000 COLOR SLIDES SERVE AS A DATA SOURCE FOR SHORELINE SITUATION REPORTS. THE AREA COVERED INCLUDES ALL OF VIRGINIA'S SHORELINE, BOTH OCEANSIDE AND CHESAPEAKE BAY. EACH AREA IS PHOTOGRAPHED ONLY ONCE.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

DR. ROBERT BYRNE 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT, VIRGINIA, USA 23062

GRID LOCATOR:

COMPLETE FILE SUBMITTED TO EDS IN JULY 1978.

DATA COLLECTED: OCTOBER 1972 TO PRESENT

MONITORING PROJECTS:

SALINITY-TEMPERATURE OBSERVATIONS OFF VIRGINIA BEACH, VIRGINIA

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., VIRGINIA, VIRGINIA BEACH

ABSTRACT:

CURRENT EDDY AND SALINITY-TEMPERATURE STUDY OFF VIRGINIA BEACH, VIRGINIA ON DATA SHEETS AVAILABLE FROM OLD DOMINION UNIVERSITY. ON GOING STUDY STARTED OCTOBER 1972.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

RONALD JOHNSON 804-489-6000
INSTITUTE OF OCEANOGRAPHY
OLD DOMINION UNIVERSITY
NORFOLK, VIRGINIA, USA 23508

331

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 57.

DATA COLLECTED: FEBRUARY 1972 TO PRESENT

MONITORING PROJECTS:
SEDIMENT ANALYSIS IN LOWER CHESAPEAKE BAY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
SIZE ANALYSIS OF BOTTOM SEDIMENTS COLLECTED FROM THE LOWER CHESAPEAKE BAY.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PETER FLEISCHER 804-489-6000
INSTITUTE OF OCEANOGRAPHY
OLD DOMINION UNIVERSITY
NORFOLK, VIRGINIA, USA 23508

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 64.

DATA COLLECTED: JUNE 1972 TO PRESENT

MONITORING PROJECTS:
ENVIRONMENTAL CONSULTATION - WETLANDS LYNNHAVEN AREA OF LOWER CHESAPEAKE BAY AND ELIZABETH RIVER

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, LYNNHAVEN BAY, ELIZABETH RIVER

ABSTRACT:
SURVEY OF HYDROGRAPHIC AND BIOLOGICAL PARAMETERS OF LOWER CHESAPEAKE BAY, LYNNHAVEN BAY AND ELIZABETH RIVER. DATA COLLECTED IN CONJUNCTION WITH CONTRACT WORK FOR CONTRACTORS AND LAND DEVELOPERS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
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GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 80.

DATA COLLECTED: MARCH 1973 TO PRESENT

MONITORING PROJECTS:
BEACH EROSION STUDY AT VIRGINIA BEACH, VIRGINIA

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., VIRGINIA, VIRGINIA BEACH

ABSTRACT:
SURVEY OF BEACH EROSION AND BEACH EROSION FACTORS ALONG VIRGINIA BEACH. THE STUDY INCLUDES SCUBA DIVING OPERATIONS FOR OBSERVING BEACH EROSION CONTROL STRUCTURES.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

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GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 65.

DATA COLLECTED: JULY 1973 TO PRESENT

MONITORING PROJECTS:

MARINE RESOURCES COMMISSION - NEWPORT NEWS TIDE GAUGE DATA

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, NEWPORT NEWS

ABSTRACT:

A SINGLE TIDE GAUGE LOCATED IN THE JAMES RIVER AT NEWPORT NEWS RECORDS THE TIME OF EACH HIGH AND LOW WATER AND THE WATER HEIGHT.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

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GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 172.